2V0-21.20 Dumps

Professional VMware vSphere 7.x

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NEW QUESTION 1
An administrator is investigating the reason for a powered on virtual machine failing to migrate with the following error log message:

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 2
Refer to the exhibit.

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 3
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 4
Which type of network adapter is designed to provide connectivity to hosts and handle the standard system traffic of vSphere vMotion? (Choose the best answer.)

A. VMkernel port
B. VXLAN virtual tunnel end point (VXLAN VTEP)
C. Virtual machine network interface card (VMNIC)
D. VM network

Answer: A

NEW QUESTION 5
An administrator has been tasked with mitigating datastore capacity issues without datastore expansion. Which vSphere Storage vMotion migration option would achieve this mitigation? (Choose the best answer.)

A. Lazy-zeroed thick-provisioned
B. Thin-provisioned
C. Eager-zeroed thick-provisioned
D. Same as format source

Answer: B

NEW QUESTION 6
Which two performance tools can be used to monitor virtual machines outside the guest operating system? (Choose two.)

A. vCenter Server performance charts
B. Task Manager
C. top
D. esxtop
E. Perfmon

Answer: AE

NEW QUESTION 7
How many vSphere Trust Authority Clusters can a Trusted Cluster reference? (Choose the best answer.)

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

Answer: A

NEW QUESTION 8
What is a pre-requisite for increasing datastore capacity? (Choose the best answer.)

A. The backing device for the datastore has enough free space.
B. The datastore is managed by Storage DRS (SDRS).
C. The datastore is 100% full.
D. There are NO powered-on virtual machines on the datastore.

Answer: A

NEW QUESTION 9
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 10
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 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 15
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 19
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 23
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 27
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 30
How does vSphere handle memory allocation during the instant clone process? (Choose the best answer.)

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

Answer: B

Explanation:
https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vm_admin.doc/GUID-853B1E2B-76C

NEW QUESTION 31
Which action is supported over a VMkernel vMotion TCP/IP stack? (Choose the best answer.)

A. Hot migrations
B. Fault tolerance protection
C. Virtual machine cloning

D. Snapshot creation

Answer: B

NEW QUESTION 32
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 33
An administrator is running a variety of vSphere 6.5 cluster configurations and is tasked with upgrading to vSphere 7.0.
Which two conditions could cause potential conflicts or outages to the virtual machines (VMs)? (Choose two.)

A. The use of a Windows vCenter Server system
B. Datastores attached to the hosts based on VMFS3
C. The upgrade of a vSphere Distributed Switch with VMs attached
D. The upgrade of an external platform services controller
E. The use of third-party custom vSphere Installation Bundles (VIBs) installed on the ESXi hosts

Answer: CE

Explanation:
https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/techpaper/vmfs-5_upgrade_consideratio

NEW QUESTION 38
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 41
An administrator runs third-party software in a virtual machine (VM). The third-party licensing agreement requires payment of a license fee for each host to which the VM migrates.
How can the administrator configure Distributed Resource Scheduler (DRS) to minimize licensing costs? (Choose the best answer.)

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

Answer: D

NEW QUESTION 44
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 46
Which local only host utility is used for primary, real-time performance monitoring in vSphere? (Choose the best answer.)

A. resxtop
B. top
C. esxtop
D. vSphere Command-Line Interface (CLI)

Answer: C

NEW QUESTION 51
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 53
What is a requirement of Storage I/O Control? (Choose the best answer.)

A. Storage connected through Fibre Channel
B. Management by a single vCenter Server
C. Datastores with multiple extents
D. Automated storage tiering capabilities

Answer: B

NEW QUESTION 56
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 60
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 62
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 65
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 66
An administrator is troubleshooting a recent failure and finds the following error messages:

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 70
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 73
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 75
What determines the default bandwidth share allocation for system traffic, such as vSphere Fault Tolerance and vSphere vMotion? (Choose the best answer.)

A. Physical network adapter
B. Network I/O Control version
C. Virtual machine hardware version
D. Load-balancing

Answer: B

NEW QUESTION 79
An administrator wants to enable bandwidth allocation for workloads by using Network I/O Control. What should the administrator configure to accomplish this? (Choose the best answer.)

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

Answer: B

NEW QUESTION 82
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 87
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 92
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 97
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 100
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 101
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 102
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 103
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? (Choose the best answer.)

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

Answer: D

Explanation:
https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vcenter.configuration.doc/GUID-9633

NEW QUESTION 107
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 112
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 113
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 117
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 118
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 121
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 124
In a vSphere High Availability (vSphere HA) cluster, which condition can be detected by datastore heartbeating? (Choose the best answer.)

A. Fault tolerance virtual machine (VM) failover
B. Network isolation
C. Virtual machine (VM) disk failure

D. Datastore All Paths Down (APD) event

Answer: B

NEW QUESTION 128
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 133
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