

2V0-21.20

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Exam A

QUESTION 1

An administrator receives an escalation to investigate a low disk space alarm on a datastore. The administrator discovers that a snapshot has been accidentally taken on a production, write-intensive database server. The snapshot has grown to nearly 1 TB in size in less than an hour and continues growing every second.



<https://vceplus.com/>

Which behavior should the administrator expect while deleting the snapshot? (Choose the best answer.)

- A. ESXi will create a virtual RAM disk to cache ongoing database write activity; performance impact will be limited.
- B. ESXi will commit the snapshot delta disk into the base disk; ongoing database write activity could result in long stun times.
- C. ESXi will merge the snapshot delta disk into the base disk; the virtual machine will be briefly stunned.
- D. ESXi will instantly switch from the base disk to the snapshot delta disk with no performance impact.

Correct Answer: A

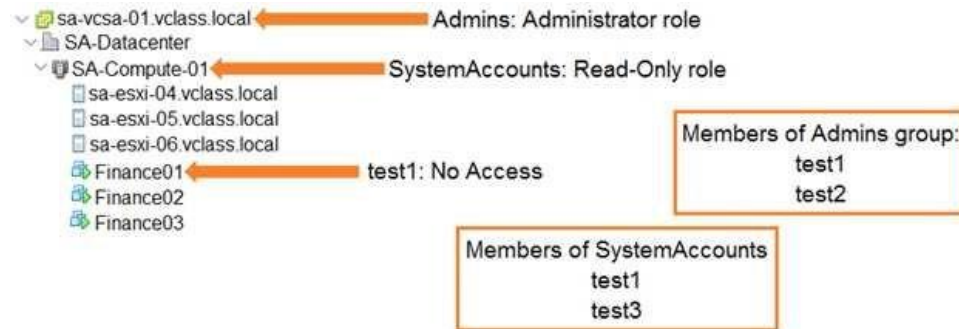
Section: (none)

Explanation

Explanation/Reference:

QUESTION 2

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 3

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.

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 4

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 ProfileD. Import Host Profile

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:



QUESTION 5

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.mustbegeek.com/understanding-vmware-vsphere-7-editions-and-features/> **QUESTION 6**

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

Correct Answer: BC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 7

Which step is required when adding an existing hard disk that is configured as a boot disk during virtual machine creation? (Choose the best answer.)

- A. Enable Secure Boot.
- B. Select 'RDM Disk' from the 'Add New Device' drop-down menu.
- C. Remove the existing disk before adding the boot disk.
- D. Set the boot delay to at least 5,000 milliseconds.



Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 8

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference: Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.avail.doc/GUID-3E3B18CC-8574-46FA-9170-CF549B8E55B8.html>

QUESTION 9

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



Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference:

<https://geek-university.com/vmware-esxi/set-drs-automation-level/>

QUESTION 10

Which feature is a pre-requisite for configuring admission control on a cluster? (Choose the best answer.)

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 11

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

Correct Answer: DE

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.0/com.vmware.vsphere.upgrade.doc/GUID-5EA28531-0813-4B04-99A7-F8D88756F3CC.html>

QUESTION 12

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.

Correct Answer: CE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 13

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference:

<https://docs.vmware.com/en/VMware-vSphere/6.5/vsphere-esxi-vcenter-server-65-availability-guide.pdf> (19)

QUESTION 14

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.

Correct Answer: D


Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vcenter.install.doc/GUID-3EAED005-B0A3-40CF-B40D-85AD247D7EA4.html> **QUESTION 15**

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:



QUESTION 16

What are two functions of vSphere Lifecycle Manager? (Choose two.)

- A. Update ESXi hosts in a cluster using baselines
- B. Upgrade VMware Tools and virtual machine hardware
- C. Run vCenter Server interoperability reports
- D. Run vCenter Server upgrade pre-checks
- E. Update standalone ESXi hosts using images

Correct Answer: BE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 17

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.

Correct Answer: D

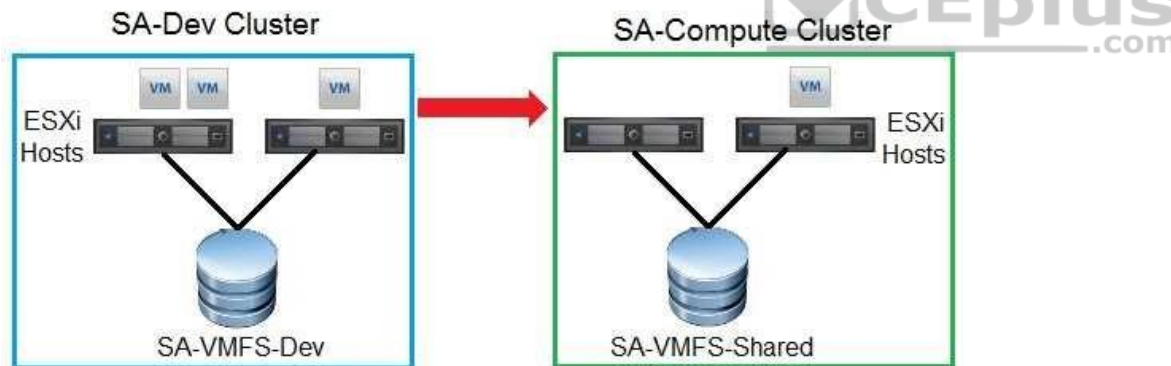
Section: (none)

Explanation

Explanation/Reference:

QUESTION 18

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

Correct Answer: CE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 19

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

Correct Answer: A

Section: (none)

Explanation



Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.psc.doc/GUID-75D4E587-3F9B-4B50-96DA-D6DB6D1781D7.html>

QUESTION 20

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.psc.doc/GUID-E0609A99-A8D1-4336-BD3B-DE707E261A63.html>

QUESTION 21

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



<https://vceplus.com/>

- 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



Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.vembu.com/blog/vmware-vsan-configuration-setup/>

QUESTION 22

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 23

An administrator wants to configure vCenter Server High Availability so that each node is located in a different data center.

Which requirement must be met? (Choose the best answer.)

- A. Each node must be configured with at least three network adapters.
- B. Network latency between the nodes must be less than 10 milliseconds.
- C. All nodes must be located on a vSAN datastore in each data center.
- D. A vCenter Server license must be assigned to each node.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 24

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

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:



Reference: <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.monitoring.doc/GUID-D89E8267-C74A-496F-B58E-19672CAB5A53.html>

QUESTION 25

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)

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference:

<https://searchvmware.techtarget.com/tip/VMware-vSpheres-built-in-performance-monitoring-tools>

QUESTION 26

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.resmgmt.doc/GUID-37CC0E44-7BC7-479C-81DC-FFFC21C1C4E3.html>

QUESTION 27

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.

Correct Answer: CE

Section: (none)

Explanation

Explanation/Reference: Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vcenter.install.doc/GUID-ACCD2814-0F0A-4786-96C0-8C9BB57A4616.html>

QUESTION 28

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



Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.resmgmt.doc/GUID-C0D2EFAE-1FE4-4867-AC3F-3E70D9A9ED59.html>

QUESTION 29

Refer to the exhibit.

```

9:04:41am up 5 min, 637 worlds, 4 VMs, 6 vCPUs; CPU load average: 0.33, 0.09, 0.00
PCPU USED (%): 89 90 95 97 AVG: 92
PCPU UTIL (%): 88 89 94 96 AVG: 92

```

ID	GID	NAME	NWLD	%USED	%RUN	%SYS	%WAIT	%VMWAIT	%RDY	%IDLE	%OVRLP	%CSTP	%MLMTD	%SWPWT
8	8	helper	294	0.00	400.00	0.00	28784.56	-	400.00	0.00	400.00	0.00	0.00	0.00
1	1	system	152	1.35	31.90	0.15	14796.04	-	373.34	0.00	0.29	0.00	0.00	41.54
14865	14865	linux2	7	73.32	74.45	0.07	582.88	0.32	50.48	0.11	0.20	0.00	0.00	0.00
14873	14873	Win1	9	115.74	116.08	0.00	743.07	16.52	45.26	23.51	0.36	5.66	0.00	0.00
14881	14881	Win2	9	104.23	104.40	0.00	759.42	16.44	43.60	41.62	0.35	2.63	0.00	0.00
14895	14895	linux1	7	67.84	69.86	0.00	605.51	0.00	32.46	0.00	0.08	0.00	0.00	0.00
5485	5485	hostd.66720	21	2.30	2.30	0.00	2100.00	-	2.16	0.00	0.00	0.00	0.00	0.00
5233	5233	rhhttpproxy.6668	14	0.29	0.30	0.01	1400.00	-	0.93	0.00	0.00	0.00	0.00	0.00
9	9	drivers	12	0.00	0.00	0.00	1200.00	-	0.21	0.00	0.00	0.00	0.00	0.00
10	10	ft	4	0.00	0.00	0.00	399.89	-	0.20	0.00	0.00	0.00	0.00	0.00
1012	1012	vmtoolsd.65822	3	0.13	0.14	0.00	300.00	-	0.16	0.00	0.00	0.00	0.00	0.00
14857	14857	esxstop.68027	1	2.78	3.89	0.00	97.10	-	0.13	0.00	0.00	0.00	0.00	0.00
14777	14777	sshd.68017	1	0.07	0.07	0.00	100.00	-	0.07	0.00	0.00	0.00	0.00	0.00

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference:

<https://communities.vmware.com/thread/463542>

QUESTION 30

Refer to the exhibit.



Alarm Rule1

IF

VM CPU Ready Time is below 1000 ms for 15 min

ADD ADDITIONAL TRIGGER

THEN

Trigger the alarm and Show as Critical

Send email notifications ☐

ADD ANOTHER RULE DUPLICATE RULE REMOVE RULE

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? (Choose the best answer.)

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 31

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.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference:

<https://kb.vmware.com/s/article/2004605>

QUESTION 32

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

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

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://virtualizationreview.com/articles/2018/04/03/ow-to-monitor-a-vcsa-using-vimtop.aspx>

QUESTION 33

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)

Correct Answer: DE



Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.security.doc/GUID-5D5EE0D1-2596-43D7-95C8-0B29733191D9.html>

QUESTION 34

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.networking.doc/GUID-E13CC2B0-5357-4261-8C0E-8BE5BD56BD20.html>

QUESTION 35

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:



<https://vceplus.com/>

