Exam Questions 2V0-21.20

Professional VMware vSphere 7.x

https://www.2passeasy.com/dumps/2V0-21.20/

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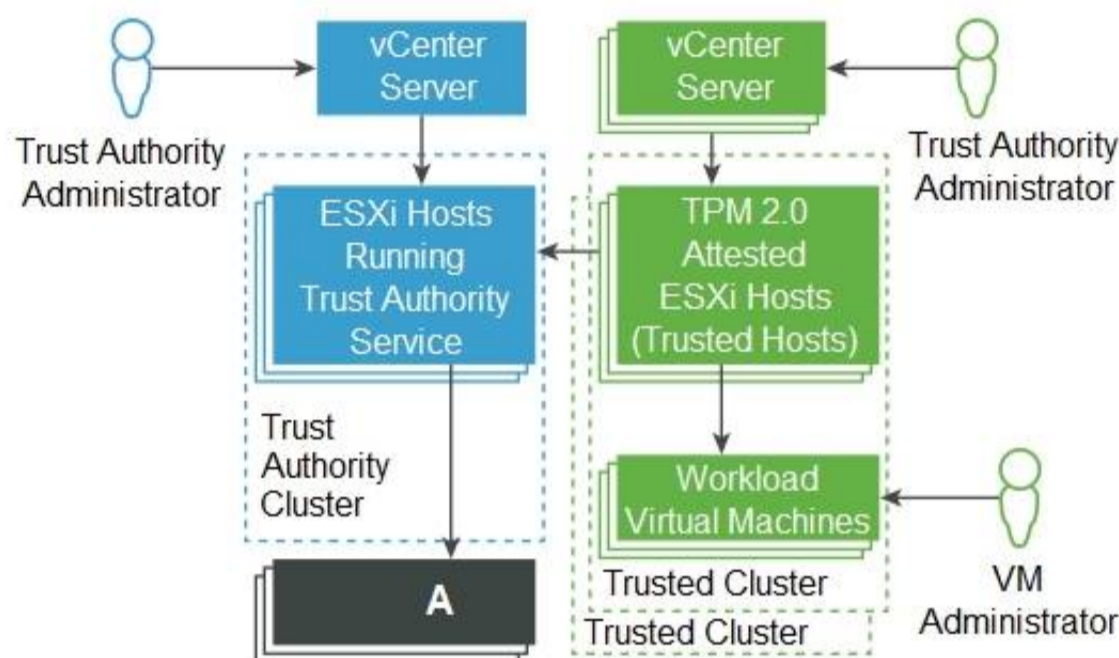
A. vCenter Single Sign-On Administrator
B. vCenter Administrator
C. vCenter Server Appliance Root
D. vCenter Power User

Answer: A

NEW QUESTION 2
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 3
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
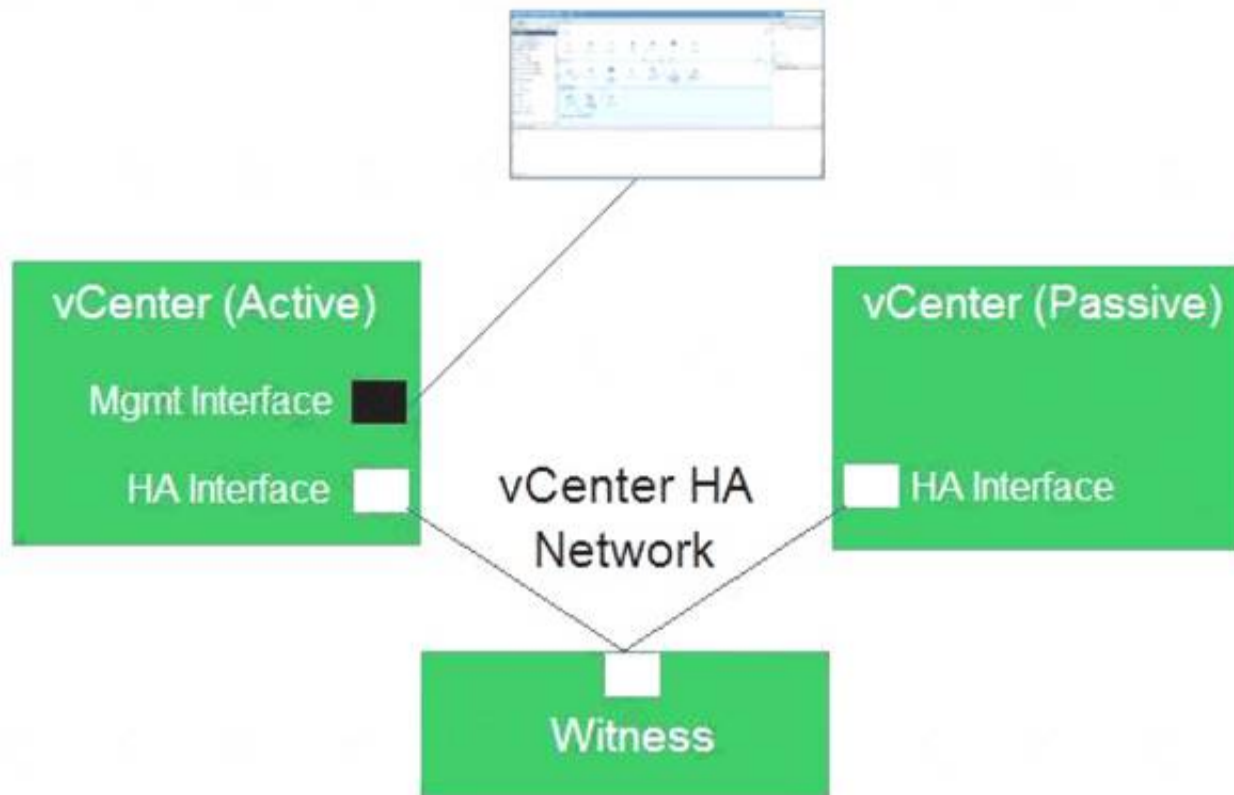D. vSphere vMotion TCP/IP stack

Answer: C

NEW QUESTION 4
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 5
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 6
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 7
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 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
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? (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
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 10
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 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.

Answer: D

NEW QUESTION 15
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 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 19
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 20
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 22
An administrator wants to leverage the processor-specific technology that uses a security extension for securing virtual machines (VMs). This will allow user-level code to define private regions of memory called enclaves that are protected from external access.
What does the administrator need to configure to enable VMs to use this technology? (Choose the best answer.)

A. Trusted Platform Module (TPM)
B. Virtual Intel Software Guard Extensions (vSGX)
C. Advanced Encryption Standard-New Instructions (AES-NI)
D. Transparent Page Sharing (TPS)

Answer: B

NEW QUESTION 25
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 29
Which two configuration tasks must be performed from the vCenter Server Management Interface? (Choose two.)

A. Add administrator accounts.
B. Add an Network Time Protocol (NTP) server.
C. Add a vCenter Server license.
D. Enable SSH login.
E. Change the logging level.

Answer: BC

NEW QUESTION 32
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

Answer: AB

Explanation:
https://www.stevenbright.com/2020/04/getting-started-with-vsphere-7-0-lifecycle-manager/

NEW QUESTION 36
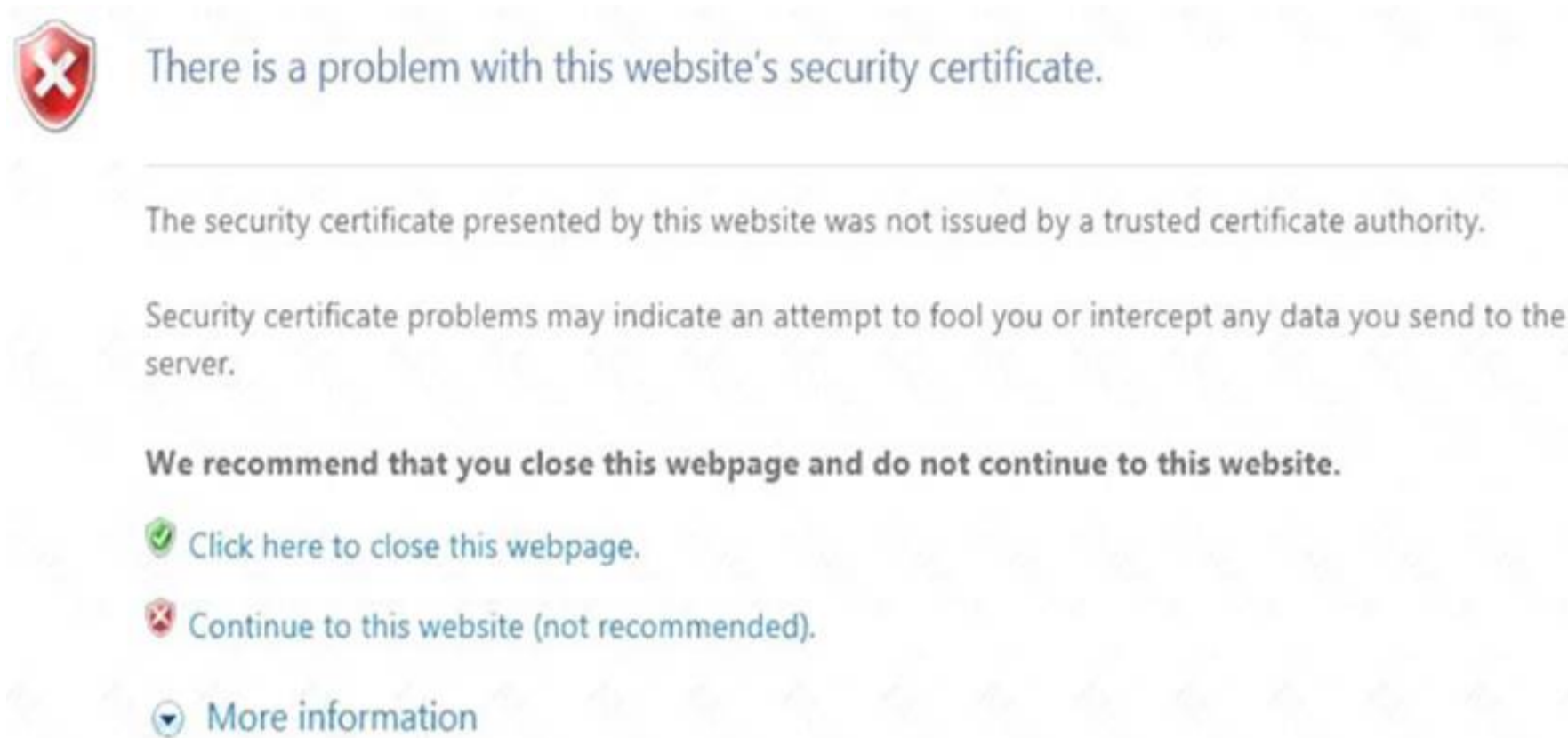Which resource pool setting is used to specify the relative priority or importance as high, normal or low? (Choose the best answer.)

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

Answer: C

NEW QUESTION 41
Refer to the exhibit.

There is a problem with this website's security certificate.

The security certificate presented by this website was not issued by a trusted certificate authority.

Security certificate problems may indicate an attempt to fool you or intercept any data you send to the server.

We recommend that you close this webpage and do not continue to this website.

Click here to close this webpage.

Continue to this website (not recommended).

More information

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 44
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 47
Which tool is used to monitor the free space in the vCenter Server database? (Choose the best answer.)

A. esxtop
B. df
C. vimtop
D. vmstat

Answer: B

NEW QUESTION 52
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 56
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 60

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 64
An administrator is investigating the reason for a virtual machine restarting. In the vmware.log file, the administrator finds the following error:

```
svga | I120: WinBSOD: ( 1) 'A problem has been detected and Windows has
been shut down to prevent damage'
svga | I120: WinBSOD: ( 2) 'to your computer.'
svga | I120: WinBSOD: ( 4) 'If this is the first time you've seen this
Stop error screen,'
svga | I120: WinBSOD: ( 5) 'restart your computer. If this screen
appears again, follow'
svga | I120: WinBSOD: ( 6) 'these steps:'
svga | I120: WinBSOD: ( 8) 'Disable or uninstall any anti-virus, disk
defragmentation'
svga | I120: WinBSOD: ( 9) 'or backup utilities. Check your hard drive
configuration,'
svga | I120: WinBSOD: ( 10) 'and check for any updated drivers. Run
CHKDSK /F to check'
svga | I120: WinBSOD: ( 11) 'for hard drive corruption, and then restart
your computer.'
svga | I120: WinBSOD: ( 13) 'Technical information:'
svga | I120: WinBSOD: ( 15) '*** STOP: 0x00000024
(0x00000000001904FB, 0xFFFFF880069B2CE8, 0xFFFFF880069B2540,0'
svga | I120: WinBSOD: ( 16) 'xFFFFF880014F5FA2)
```

What is a likely cause of this virtual machine restart? (Choose the best answer.)

A. Guest operating system fault
B. User or API request to shut down guest operating system
C. High Availability
D. User or API request to restart guest operating system

Answer: A

NEW QUESTION 65
An administrator wants to create a master copy of an existing virtual machine (VM) named "TestApp" and deploy VMs from this master copy whenever a user requests one.
Which method can the administrator use to create a master copy of TestApp? (Choose the best answer.)

A. Deploy from an Open Virtual Machine Format (OVF) template
B. Convert a template to a VM
C. Clone the VM to a template
D. Create a new VM

Answer: A

NEW QUESTION 67
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 69
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.
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.

Answer: B

Explanation:
https://kb.vmware.com/s/article/1002836

NEW QUESTION 72
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 73
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 77
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 81
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 83
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 84
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	rhttpproxy.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	vmsyslogd.65822	3	0.13	0.14	0.00	300.00	–	0.16	0.00	0.00	0.00	0.00	0.00
14857	14857	esxtop.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

Answer: C

NEW QUESTION 85
A company has a vSphere environment consisting of the following characteristics:
- A content library named 'CORP' is published at corporate headquarters on a vCenter Server named 'vcenterCorp'.
- A regional data center contains a set of hosts managed by a vCenter Server named vcenterR1.
- vcenterR1 subscribes to the CORP content library.

The administrator wants to create a new virtual machine image to use on vcenterR1. What are two possible ways the administrator can accomplish this task? (Choose two.)

A. Configure vcenterR1 to download all library content immediately.
B. Upload the new image to the CORP library on vcenterR1.
C. Publish the CORP content library on vcenterR1.
D. Upload the new image to the CORP library on vcenterCorp.
E. Upload the new image to a local content library on vcenterR1.

Answer: AD

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

NEW QUESTION 86
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 90
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 94
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 98
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 103
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 107
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 111
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 115
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 119

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