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Exam Name: Associate VMware Data Center Virtualization



Exam A

QUESTION 1

Which two configuration options can only be enabled on distributed switches?

- A. NetFlow
- B. Port Mirroring
- C. NIC Teaming
- D. Load Balancing
- E. VLAN IDs

Correct Answer: A, B

Section:

QUESTION 2

What does it mean if a virtual machine (VM) has a high RDS score?

- A. It requires access to more resource as soon as possible.
- B. It has poor performance in the current host.
- C. It is in conflict over access to a shared resource.
- D. Its resource requirements are met most of the time.

Correct Answer: A

Section:

QUESTION 3

An administrator wants to deploy virtual machines on Windows 10 desktop. What option accomplishes this goal?

- A. Add additional network interface
- B. Install Windows patches
- C. Install a Type-2 hypervisor
- D. Add an additional CD-ROM

Correct Answer: C

Section:

QUESTION 4

A vSphere operator discovers a storage problem with the following PDL error message:

Permanently inaccessible device

:naa.6000eb31dffc33a000000000000063 has no more open connections

What should the operator conclude from this error message?



- A. A storage device is disconnected, but it is treated as a transient issue.
- B. A storage device has failed and is not expected to become available.
- C. A storage device has failed and is expected to become available.
- D. A storage device is disconnected, but it can be reconnected by a host reboot.

Correct Answer: B

Section:

QUESTION 5

Which virtual machine (VM) problem is solved using vSphere Storage vmotion?

- A. The ESXi host on which a VM is running requires to enter maintenance mode.
- B. The storage array on which a VM is running requires to enter maintenance mode.
- C. VMs are running on one ESXi host that presents high CPU resource contention.
- D. The vSphere Client shows that a VM needs to be consolidated.

Correct Answer: B

Section:

QUESTION 6

Traditional operating systems allocate resources such as CPU and memory for applications installed on computers. Which vSphere component schedules resource for virtual machines in a similar way?

- A. virtual Hardware
- B. vCenter Server
- C. ESXi Hypervisor
- D. VMware Tools

Correct Answer: A, C

Section:

QUESTION 7

A developer is concerned about a virtual machine's CPU usage over the past month. How can an administrator show the CPU usage over this time period to the developer?

- A. Select the VM's Summary tab, then view the VM Hardware pane.
- B. Select the VM's Summary tab, then view CPU Usage.
- C. Select the VM's Monitor tab, then select Events.
- D. Select the VM's Monitor tab, then select Overview.

Correct Answer: D

Section:

QUESTION 8

A vSphere administrator has multiple virtual machines running on a VMFS datastore. Which setting prioritizes the disk access for the virtual machines?



- A. Disk Shares
- B. Disk type
- C. Disk Mode
- D. Hard disk

Correct Answer: A

Section:

QUESTION 9

An administrator need to migrate a powered off virtual machine to another cluster with no shared storage. Which option should the administrator select for a successful migration?

- A. Change storage only
- B. Migrate virtual machines(s) to a specific datacenter
- C. Change computer resource only
- D. Change both compute resource and storage

Correct Answer: D

Section:

QUESTION 10

An alarm is triggered in vSphere Client due to failure of a host in a cluster. The host has not returned to normal state, but the administrator wants to clear the alarm. Which sequence of steps should the administrator take to accomplish this goal?

- A. Host > Configure > Alarm Definitions > select an alarm > Delete alarm
- B. Host > Monitor > Issues and Alarms > Triggered Alarms > select alarm > select Acknowledge
- C. Host > Monitor > Issues and Alarms > Triggered Alarms > select alarm > select Reset to Green
- D. Host > Monitor > Skyline Health

Correct Answer: C

Section:

QUESTION 11

A virtual infrastructure operator needs to migrate a virtual machine (VM).





Which action can the operator take to overcome the error message?

- A. Select a different datastore for the VM.
- B. Select a cluster that has access to additional storage space.
- C. Change the virtual disk format to Thick provision Eager Zeroed.
- D. Select a different ESXi host for the VM

Correct Answer: A

Section:

QUESTION 12

Which configuration setting ensures that virtual networks on a virtual switch are isolated from each other?

- A. Port ID
- B. Network Label
- C. Security Policy
- D. VLAN ID

Correct Answer: A

Section:

QUESTION 13

A vSphere administrator wants to monitor the CPU usage of all virtual machines (VMs) in a specific host cluster using alarms. Which sequence of actions should the administrator use?

- A. Click on the ESXi host and add an alarm.
- B. Click on the cluster and add an alarm.
- C. Click on individual VMs and add an alarm.
- D. Click on the VMs folder and add an alarm.

Correct Answer: B

Section:

QUESTION 14

An administrator needs to upgrade the guest operating system installed in a virtual machine. The administrator wants to safely ensure that the selected operating system is supported by ESXi. Which action should the

administrator take to meet this goal?

- A. Perform a guest OS and product search In the VMware Compatibility Guide.
- B. Look in the guest OS version drop-down menu of the VM.
- C. Snapshot the VM before performing the operating system upgrade.
- D. Check the web page of the guest operating system vendor.

Correct Answer: C

Section:

QUESTION 15

Which event type indicates a Fatal problem has occurred in the system, and the process or operation will be terminated?

- A. Information
- B. Audit
- C. Error
- D. Warning

Correct Answer: D

Section:

QUESTION 16

Which feature must be enabled to use vSphere Fault Tolerance?

- A. vSphere DRS
- B. vSphere Replication
- C. vSphere HA
- D. vSAN

Correct Answer: C

Section:

QUESTION 17

Which two improvements to the management of a VM are gained when VMware Tools are used?

(Choose two.)

- A. Performs a clone of the VM
- B. Adds VM alarms to the inventory
- C. Makes a graceful shutdown of the VM possible
- D. Allows a snapshot before the guest OS is upgraded
- E. Synchronizes time between the guest and the host

Correct Answer: B, E

Section:

QUESTION 18

Which file system protocol is supported by vSphere?



- A. NFS
- B. iSCSI
- C. SAN
- D. vSAN

Correct Answer: A

Section:

QUESTION 19

A VMware administrator monitoring a project has been advised to run the compute health check using the vSphere 7 client to monitor the ESXi hosts health. How should the administrator approach this task?

- A. Menu > Administrator > Deployment > System Configuration
- B. Host > Monitor > Skyline Health > Expand Online Health Connectivity > Compute Health Checks > Reset
- C. Host > Monitor > Events
- D. Host > Monitor > Issues and Alarms

Correct Answer: B

Section:

QUESTION 20

Which sequence of steps must a vSphere operator take to create an NFS datastore for a host, a cluster, or a data center?

- A. Right-click on an ESXi host, select Storage > New Datastore
- B. From the actions drop-down menu, select NFS > New datastore
- C. From the datastore tab, select NFS > New datastore
- D. Select an ESXi host, click the Configure tab > Storage Devices

Correct Answer: A

Section:

QUESTION 21

Which feature must an administrator use to revert back to the previous of a VM template?

- A. VM Snapshots
- B. Content Library
- C. VMware Tools
- D. Storage vMotion

Correct Answer: B

Section:

QUESTION 22

Which two characteristics describe vSphere HA?

- A. vSphere HA restarts VMs if their host becomes isolated in the management network.
- B. In response to datastore accessibility failures, vSphere HA restarts VMs on unaffected hosts.
- C. vSphere HA performs load balancing across the hosts in a cluster to prevent resources contention
- D. By Keeping a secondary VM running at all times, vSphere HA protects VMs from data loss.
- E. When vCenter Server experiences downtime, vSphere HA restarts VMs on unaffected hosts.

Correct Answer: A, B

Section:

QUESTION 23

An administrator is tasked with evacuating a storage array because it has been replaced. Which feature meets this requirement?

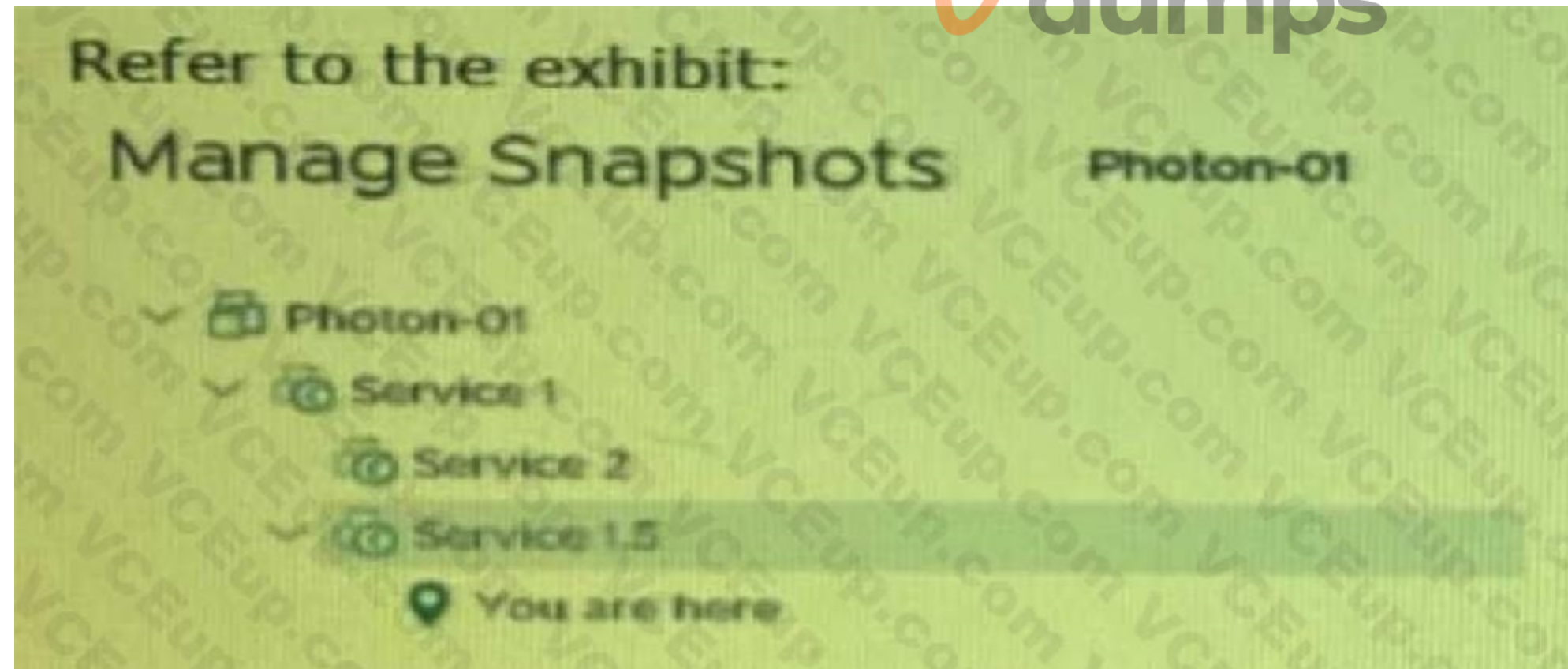
- A. Predictive DRS
- B. Proactive HA
- C. Storage vMotion
- D. vSphere vmotion

Correct Answer: C

Section:

QUESTION 24

Refer to the exhibit:



After the "service 1.5" snapshot is deleted, which snapshot will be the current state for the virtual machine?

- A. Photon-01

- B. Service 2
- C. Service 1.5
- D. Service 1

Correct Answer: C

Section:

QUESTION 25

A vSphere cluster running a virtual machine with VMware HA and DRS enabled in fully automated mode is experiencing a catastrophic host failure. Which action can the administrator expect DRS to take?

- A. It will move the VM to a host on a different cluster with enough resources after the HA restart.
- B. It will pro-actively move the virtual machine to a different host.
- C. It move the VM to a host in the same cluster with enough resources after the HA restart.
- D. It will pro-actively move the virtual machine to a different cluster.

Correct Answer: C

Section:

QUESTION 26

Which storage protocol is supported by vSphere?

- A. NFS
- B. FTP
- C. CIFS
- D. SMB

Correct Answer: A

Section:

QUESTION 27

An administrator is browsing datastore and notices a file with a .vmtx extension. What are the contents of this file?

- A. Virtual machine snapshot
- B. Virtual disk characteristics
- C. Template configuration
- D. Virtual machine configuration

Correct Answer: C

Section:

QUESTION 28

Which action should an administrator use to restore a virtual machine to a previous state?

- A. Consolidate snapshot
- B. Revert to the latest snapshot



- C. Delete all snapshot
- D. Take snapshot

Correct Answer: B

Section:

QUESTION 29

Which selection is optional when deploying a new virtual machine in the vSphere Client?

- A. Compute resource
- B. Guest OS
- C. Folder
- D. Data center

Correct Answer: D

Section:

QUESTION 30

What is the purpose of the VMware Tools balloon driver?

- A. To improve a VM's memory management capabilities
- B. To provide a high-resolution display for the VM's console
- C. To improve a VM's network performance
- D. To provide fast and efficient communication between VMs

Correct Answer: A

Section:

QUESTION 31

An administrator has configured a Linux virtual machine and found that it does not have network connectivity. The administrator notices this when trying to ping the default gate way and nothing comes back. The administrator needs to verify that the guest operating system is configured properly.

What is the first step that the administrator should take to meet this goal?

- A. Ping an outside source to see if you get a response
- B. Verify that VMware Tools has been loaded on the guest operating system
- C. Check that the virtual network adapter is present and enabled
- D. Confirm the link status of the virtual switch

Correct Answer: C

Section:

QUESTION 32

An administrator has been tasked with associating multiple uplink adapters with a single switch that will share the load traffic.

Which networking feature should the administrator configure?

- A. Distributed Port Group
- B. Host Proxy Switch



- C. NIC Teaming
- D. VLAN

Correct Answer: C

Section:

QUESTION 33

A company has a few virtual machines running software XYZ that only support the current CPU type. With hardware refresh, the company wants leverage the new processor features for all VMs except for VMs Running software XYZ.

Which feature meets this requirement?

- A. Per-VM EVC
- B. vSphere High Availability
- C. Cluster-Level EVC
- D. vSphere vmotion

Correct Answer: A

Section:

QUESTION 34

An administrator needs to update an OS running on a virtual machine and wants to be able to revert to the previous state if any issues occur after the update.

Which steps should be used in the vSphere Client to meet this requirement?

- A. Right click on the VM > Migrate
- B. Right click on the VM > Snapshots > take Snapshot
- C. Right click on the VM > Clone to Template
- D. Right click on the VM > Clone to virtual Machine



Correct Answer: B

Section:

QUESTION 35

An administrator has been asked to keep domain controllers running on separate ESXi hosts.

Which type of VM/Host rule must be configured to meet this requirement?

- A. keep Virtual Machines Together
- B. Virtual Machines to virtual Machines
- C. Virtual Machines to Hosts
- D. Separate Virtual machines

Correct Answer: D

Section:

QUESTION 36

Which two guest operating systems are supported when a virtual machine must be deployed?

- A. iOS

- B. Microsoft Windows
- C. Android
- D. MacOS
- E. T/TOS (tandem Transactional OS)

Correct Answer: B, D

Section:

QUESTION 37

Which object-based storage can be used to store virtual machines?

- A. NFS
- B. vVols
- C. RDM
- D. VMFS

Correct Answer: D

Section:

QUESTION 38

An administrator has noticed an increase in network latency when powered-off virtual machines are migrated.

Which VMkernel adapter can the administrator use to reduce this latency?

- A. vSAN
- B. vSphere Replication
- C. Provisioning
- D. vMotion

Correct Answer: D

Section:

QUESTION 39

Which VMware feature would an administrator configure to migrate

VMs using vSphere vMotion between ESXi hosts with different underlying CPU Architectures?

- A. Enhanced vMotion Compatibility
- B. vSphere HA
- C. VMware Fault Tolerance
- D. vSphere Storage DRS

Correct Answer: A

Section:

QUESTION 40

An operator must deploy three virtual machines from a template named Win10-Template, and all three VMs must be configured with unique computer names.

Which action must the operator take to achieve this goal?



- A. Clone Win10-Template three times, and then change the computer name in each clone.
- B. Export Win10-Template to the local filesystem, and then change the computer name.
- C. Use a Windows 10 customization specification when deploying the virtual machines.
- D. Create the virtual machines using the New virtual Machine wizard.

Correct Answer: C

Section:

QUESTION 41

An administrator must configure vSphere HA to act upon virtual machines when a host is disconnected from the management network. Which option should the administrator use?

- A. Response for Host Isolation
- B. Admission Control
- C. VM Monitoring
- D. host Failure Response

Correct Answer: A

Section:

QUESTION 42

Which vSphere feature provides continuous availability, allowing users to protect any virtual machine from a host failure with no loss of data or connectivity?

- A. vSphere vMotion
- B. Enhanced vMotion Compatibility
- C. vSphere Fault Tolerance
- D. vSphere HA

Correct Answer: C

Section:

QUESTION 43

Which cluster file system is used by ESXi hosts to store virtual machines?

- A. VMFS
- B. SCSI
- C. NFS
- D. SMB

Correct Answer: A

Section:

QUESTION 44

A vSphere administrator is unable to remove an ESXi host from a vSphere Distributed Switch (VDS). Which two reasons could have caused this issue?

- A. The VDS is configured with ingress traffic shaping.



- B. Virtual machines network adapters on the host are connected to the switch
- C. Virtual machine network adapters are faulty.
- D. The ESXi host is connected to another VDS.
- E. The ESXi host had VMkernel adapters assigned to the switch.

Correct Answer: B, D

Section:

QUESTION 45

An administrator is trying to create an alarm action that runs a batch file on a specific VM. Which alarm action should the administrator use?

- A. Run a powerCLI command
- B. Run script
- C. Send SNMP traps
- D. Send email notifications

Correct Answer: B

Section:

QUESTION 46

An administrator would like to enable a switch setting to restrict the network bandwidth that is available to ports, but the solution must also allow bursts of traffic to flow through at higher speeds. Which vSphere Distributed Switch setting accomplishes this goal?

- A. Monitoring
- B. teaming and failover
- C. Traffic shaping
- D. Security

Correct Answer: C

Section:

QUESTION 47

Which name identifies a VMkernel port in a virtual networking configuration?

- A. VM Network
- B. vmnic1
- C. vmk1
- D. vSwitch1

Correct Answer: C

Section:

QUESTION 48

Which piece of information does vSphere DRS consider when making decisions about which host to place a virtual machine?

- A. Network bandwidth on the host



- B. Disk usage by the virtual machine
- C. Storage bandwidth on the host
- D. Network usage by the virtual machine

Correct Answer: A

Section:

QUESTION 49

Which feature provides a mechanism for a virtual machine to revert to a previous configuration state?

- A. vSphere HA
- B. Storage I/O Control
- C. Snapshots
- D. Bus Sharing

Correct Answer: C

Section:

QUESTION 50

An administrator wants to ensure that a copy of a virtual machine can still power up on another data center during a disaster. Which feature meets this requirement?

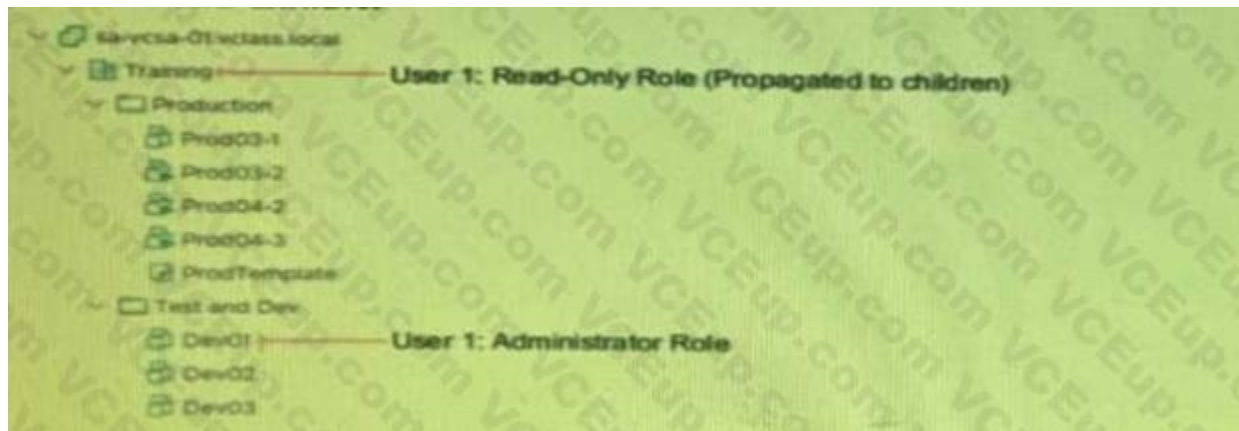
- A. vSphere Replication
- B. vMotion
- C. vSphere High Availability
- D. Fault Tolerance

Correct Answer: A

Section:

QUESTION 51

Refer to the exhibit:



Which statement is true about the access privileges of User 1?

- A. User 1 has read-only privileges to all objects in the Production folder.
- B. User 1 has administrator privileges to all objects in the test and Dev folder.
- C. User 1 has administrator privileges to all VMs in the Production folder.



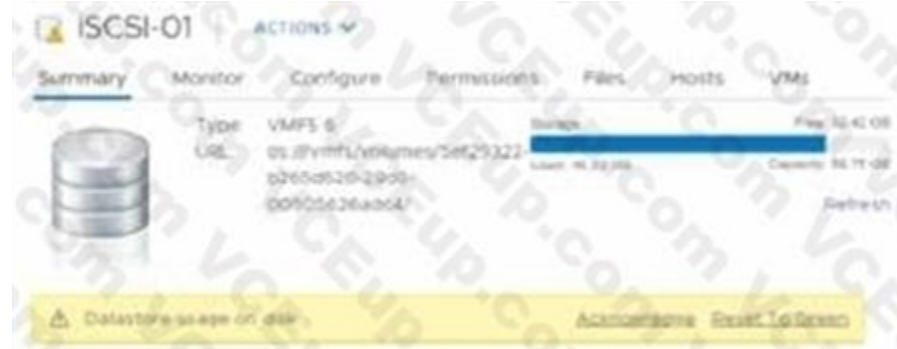
D. User 1 has read-only Privileges to the Dev02 VM in the test and Dev folder.

Correct Answer: B

Section:

QUESTION 52

Refer to the exhibit:



Which piece of information should a vSphere operator conclude about iSCSI-01?

- A. The datastore failed because it reached its capacity limit.
- B. The datastore does not have any free capacity.
- C. The disk usage on the datastore is above 75%.
- D. The datastore usage on disk was reset to green.

Correct Answer: C

Section:

QUESTION 53

A vSphere administrator has migrated a virtual machine between two ESXi hosts using vSphere vMotion and notices that the VM can no longer be pinged. What caused this situation?

- A. The virtual machine has RDMs attached.
- B. A different datastore is being used after the migration.
- C. There is an MTU mismatch.
- D. The destination portgroup has an incorrect VLAN tag.

Correct Answer: D

Section:

QUESTION 54

An administrator is migrating 100 virtual machines from one ESXi Host to another. The current iGigE network cards are only migrating four virtual machines simultaneously. Which action should the administrator take to increase that number to eight?

- A. Add more memory to the ESXi hosts
- B. Add a iGigE network card to each ESXi host
- C. Configure port mirroring
- D. Configure Load Balancing

Correct Answer: C



Section:

QUESTION 55

A vSphere operator can only configure up to two virtual CPUs when deploying a new virtual machine (VM). Refer to the exhibit:



What is the cause of this situation?

- A. VMs support a maximum of 2 CPUs.
- B. The selected cluster is not in DRS mode.
- C. The selected ESXi host has only 2 CPUs.
- D. The compatibility selected is "ESXi 6.5 and later".

Correct Answer: C

Section:

QUESTION 56

Which vSphere DRS setting determines how aggressive vSphere DRS will be when recommending migrations to improve VM happiness?

- A. Predictive DRS
- B. Virtual Machine Automation
- C. Automation Level
- D. Migration Threshold

Correct Answer: D

Section:

QUESTION 57

Which feature allows an administrator to implement master copies of virtual machines to create ready-for-use virtual machines?

- A. Templates
- B. Resource Pools
- C. Snapshots
- D. Custom Attributes

Correct Answer: A

Section:

QUESTION 58

A system administrator opened a technical support trouble ticket and was asked to provide the suspended virtual machine's memory contents.

Which file from the virtual machine directory will the system administrator need to upload to technical support?

- A. vm.vmdk
- B. vm.vms
- C. vm.vmx
- D. vm.log

Correct Answer: C

Section:

QUESTION 59

Which software-defined, object-based storage solution provides shared storage for vSphere clusters without using traditional external storage?

- A. iSCSI
- B. vSAN
- C. NFS
- D. vVOLS

Correct Answer: A

Section:

QUESTION 60

A system administrator has to configure several virtual machines for different business units. The administrator needs to enable features that allow overcommitment of resources while adhering to the business requirements and different department performance SLAs.

Which two features should the administrator enable to achieve this goal? (Choose two.)

- A. vSphere Distributed Power Management
- B. vSphere Fault Tolerance
- C. vSphere Resource Pools
- D. vSphere High Availability
- E. vSphere Storage I/O Control

Correct Answer: C, E

Section:

QUESTION 61

An administrator has observed an alert message in the vSphere UI related to a host's storage sensor hardware. Where should the administrator look for more information related to this alert?

- A. Menu > Lifecycle Manager > Baselines
- B. Host > Monitor > Skyline Health
- C. Host > Monitor > Hardware Health > Storage Sensors
- D. Host > Monitor > Hardware Health > System Event Log

Correct Answer: D

Section:

QUESTION 62

Which two vSphere features help address an organization's business availability challenges? (Choose two.)

- A. vSphere Fault Tolerance
- B. vSphere Pod Service
- C. vSphere DPM
- D. vSphere Trust Authority
- E. vSphere High Availability

Correct Answer: A, E

Section:

QUESTION 63

Which feature helps maintain zero data loss when a VM on an ESXi server fails unexpectedly?

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

Correct Answer: D

Section:

QUESTION 64

Which vSphere component centralizes automated patch and version management for clusters, ESXi, drivers and firmware, Virtual Hardware, and VMware Tools?

- A. vSphere DRS
- B. VMware Cloud Foundation
- C. Content Library
- D. vSphere Lifecycle Manager

Correct Answer: D

Section:

QUESTION 65

A vSphere operator finds this error message:

Device or filesystem with identifier [naa.6000eb31dffdc33a00000000000002a] has entered the All Paths Down state.

What should the operator conclude from this error message?

- A. A host is inaccessible, and migration of affected VMs is expected.
- B. A host failed, and automated recovery of affected VMs is expected.
- C. A storage device has failed and is not expected to become available.
- D. A storage device is inaccessible and is expected to become available.

Correct Answer: C

Section:

QUESTION 66

What is a benefit of VMware vSphere Storage APIs - Data Protection?

- A. It enables centralized, off-host, LAN-free backup of vSphere virtual machines.
- B. It allows backup of a virtual machine with a backup agent in the guest OS.
- C. It increases ESX host resources to do backup processing.
- D. It facilitates decentralized, on-host, LAN-free backup of vSphere virtual machines.

Correct Answer: A

Section:

QUESTION 67

During a virtual machine migration, which VMkernel networking layer handles the traffic?

- A. Fault Tolerance
- B. IP storage
- C. vSAN
- D. vSphere vMotion

Correct Answer: B

Section:

QUESTION 68

Which two storage protocols can a virtual infrastructure operator use to create a VMFS datastore?
(Choose two.)

- A. Fibre Channel
- B. NFS
- C. iSCSI
- D. CIFS
- E. SMB

Correct Answer: A, C

Section:

