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5V0-21.19

VMware vSAN 6.7 Specialist Exam 2019



Exam A

QUESTION 1 Which two vSAN Health Check items are included for vSphere Update Manager integration?
(Choose two.)

- A. vSAN build recommendation
- B. vSAN object health
- C. Online health connectivity
- D. vSAN release catalog up-to-date
- E. Performance data collection

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

QUESTION 2

What is a benefit of using vSphere Distributed Switches in a vSAN network?

- A. Simplifies network abstraction
- B. Enables network redundancy
- C. Supports faster network adapters
- D. Provides the ability to adjust the MTU

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:



QUESTION 3

A single disk in a vSAN disk group suffers from an unrecoverable hardware failure. This causes vSAN to set the health status for all disks in the group to Permanent disk loss, indicating disk failure. Assuming all other disks have not suffered from a hardware failure, why would vSAN mark all disks in the group as failed?

- A. The vSAN disk management service has failed.
- B. The affected vSphere host is offline.
- C. The key management server is offline.
- D. Deduplication and compression is enabled on the vSAN cluster.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 4 In stretched clusters, what is a benefit of implementing a virtual witness rather than a physical witness?

- A. Reduced vSphere licensing
- B. Shared metadata between separate clusters
- C. Increased vSAN datastore capacity
- D. Increased compute for running VMs

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://cormachogan.com/2015/09/11/a-closer-look-at-the-vsan-witness-appliance/>

QUESTION 5

A storage administrator discovers vSAN is rebalancing components across a cluster randomly and faces degraded performance on the applications. What should be done to avoid these issues?

- A. Size at least two disk groups on each node
- B. Maintain a minimum of 10 percent unused capacity
- C. Keep total storage consumption <70 percent
- D. Ensure there is sufficient queue depth on the I/O Controller

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/products/vsan/vsan-troubleshooting-reference-manual.pdf> (24)

QUESTION 6 What is the purpose of slack space in vSAN?

- A. Increases overall vSAN capacity
- B. Allows for maintenance and failure operations
- C. Stores vSphere HA heartbeats
- D. Provides vSAN analytic data



Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://storagehub.vmware.com/t/vmware-vsan/vmware-r-vsan-tm-design-and-sizing-guide-2/how-much-slack-space-should-i-leave-1/>

QUESTION 7

The objects on a 4-node vSAN cluster are assigned a RAID-5 policy. A network outage occurs causing host one to lose connectivity with the rest of the cluster. Seventy-five minutes elapse. What is the health state of the subjects?

- A. Reduced availability with no rebuild
- B. Reduced availability with no rebuild – delay timer
- C. Non-availability related in-compliance [non-compliance]
- D. Reduced availability

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 8

A vSAN 5-node cluster has two sets of VMs, each associated with a separate storage policy.

-Group A (Storage Policy: FTT=0)

-Group B (Storage Policy: FTT=2)

What are two possible results when two hosts in the vSAN cluster fail permanently? (Choose two.)

- A. VMs in Group B will become inaccessible if a third host permanently fails.
- B. vSAN will rebuild data associated with Group A.
- C. VMs in Group A might experience data inaccessibility.
- D. VMs in Group B might experience data loss.
- E. A host can be put into maintenance mode without impacting VMs in either Group A or B.

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 9 A 3-node vSAN cluster will take which two actions, when a drive is physically removed from vSAN node? (Choose two.)

- A. Marks all components on that device as absent
- B. Marks all components on that device as degraded
- C. Waits for the configured delay timer before rebuild
- D. Marks all components on that device as stale
- E. Starts component rebuild immediately

Correct Answer: AC

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://storagehub.vmware.com/t/vmware-vsan/vsan-6-7-proof-of-concept-guide/disk-failures-9/>

QUESTION 10

A vSAN cluster has this configuration:

- 4 hosts with 1 disk group per host
- Each disk group contains 1 cache device and 7 capacity devices

What are two ways to increase the vSAN datastore storage capacity? (Choose two.)

- A. Add a host to the cluster
- B. Add a cache device to each disk group
- C. Add a capacity drive to each disk group
- D. Replace a cache device with a larger cache device
- E. Add a disk group to each host

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 11

An organization is no longer compliant with security requirements because a vSphere administrator disabled encryption on a vSAN cluster. Which vCenter Server role ensures only authorized vSphere administrators have access to encryption functionality?

- A. Administrator
- B. Read-only
- C. No cryptography administrator

D. No access

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.security.doc/GUID-6C181D08-6650-4AD1-92D1-AAFDA3A3E38C.html>

QUESTION 12

vCenter Server is offline.

What are two ways to check the health of a vSAN cluster? (Choose two.)

- A. ESXI system logs on vSAN datastore
- B. vSphere Host Client
- C. esxcli
- D. HCI Bench
- E. esxtop

Correct Answer: BC

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.security.doc/GUID-6C181D08-6650-4AD1-92D1-AAFDA3A3E38C.html>

QUESTION 13 What are two purposes of a vSAN storage policy?
(Choose two.)

- A. Determine how storage objects are provisioned
- B. Determine vSAN encryption level
- C. Guarantee the required level of service
- D. Enable deduplication and compression
- E. Enable TRIM/UNMAP



Correct Answer: AC

Section: (none)

Explanation

Explanation/Reference:

Reference: <http://www.vmwarearena.com/understanding-vmware-virtual-san-storage-policies-detailed-view/>

QUESTION 14

An administrator wishes to prevent notifications of vSAN Health status during a scheduled maintenance window. What can be done to achieve this?

- A. Disable SNMP service
- B. Disable the performance service
- C. Run performance diagnostics prior scheduled maintenance
- D. Silence the alert from the HTML client

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 15

An administrator is planning to deploy a new vSAN cluster with these requirements:

- Physical adapters will share capacity among several traffic types
- Guaranteed bandwidth for vSAN during bandwidth contention
- Enhanced security and performance

What must be considered when configuring the new vSAN cluster?

- A. Isolate traffic in a VLAN and utilize Network I/O Control
- B. Utilize IOPS Limit rules in storage policies
- C. Utilize jumbo frames with Network I/O Control
- D. Implement vSphere I/O filters

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.vsan-planning.doc/GUID-031F9637-EE29-4684-8644-7A93B9FD8D7B.html>

QUESTION 16 Which two conditions should be verified before removing the ESXi host from a vSAN cluster?

(Choose two.)

- A. Data evacuation is complete.
- B. Encryption is disabled.
- C. ESXi host is in maintenance mode.
- D. Resyncs are running.
- E. All objects are currently healthy.

Correct Answer: CE

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://vsan-essentials.gitbooks.io/vsan-6-2/content/chapter7.html>

QUESTION 17 Which VM type resides in the VM home namespace object on a vSAN datastore?

- A. .vswp
- B. .vmsn
- C. .vmx
- D. .vmem

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://vsan-essentials.gitbooks.io/vsan-6-2/content/chapter6.html>

QUESTION 18

In a 10-node hybrid vSAN cluster, each node has seven 4TB magnetic disks and one 2TB SSD. What is the raw storage capacity of the vSAN datastore?

- A. 140TB
- B. 150TB
- C. 280 TB



D. 300 TB

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 19

Refer to the exhibit.

	vSAN Node	vSAN Cluster
Nodes/Arrays Required	1	4
Capacity Disks	15	60
Flash Caching Devices	3	12
Disk Groups	3	12
Capacity disks per Disk Group	5	5
Total Raw Capacity (TB)	36	144
Total Usable Capacity (TB)	18	72
Total Flash Cache Capacity (TB)	1.2	3.6

Components	Qty	Details	Total
CPU	2	Intel "Xeon" Gold 6126 12C 125W 2.6GHz	2
MEM	4	ThinkSystem 32GB TruDDR4 2666 MHz (1Rx1.2V) RDIMM	128
Controller	1	ThinkSystem 430-8I SAS/SATA 12 Gb HBA	1
NIC	1	Intel Dual-Port 100Gbp/s	2
Flash Cache	3	ThinkSystem 2.5" HUSMM32 400GB Performance SAS 12GB Hot Swap SSD	1.2
Persistent Disk	15	ThinkSystem 2.5" 2.4TB 10K SAS 12GB Hot Swap 512e HDD	36



A solution architect is setting up a highly resilient vSAN hybrid cluster. Why is the cache incorrectly sized in this configuration?

- A. Cache disk needs to meet vSAN Compatibility Guide
- B. Cache-to-capacity ratio needs to be sized lower
- C. Cache-to-capacity ratio needs to be sized higher
- D. Number of cache disks in disk group is insufficient.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 20

An all-flash vSAN cluster contains four nodes. Which two storage policies can the cluster satisfy? (Choose two.)

- A. FTT=2 (RAID-1 Mirroring)
- B. FTT=2 (RAID-6 Erasure Coding)
- C. FTT=1 (RAID-1 Mirroring)
- D. FTT=1 (RAID-5 Erasure Coding)
- E. FTT=3 (RAID-1 Mirroring)

Correct Answer: AC

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-Cloud-on-AWS/services/com.vmware.vsphere.vmc-aws-manage-data-center.doc/GUID-EDBB551B-51B0-421B-9C44-6ECB66ED660B.html>

QUESTION 21

A company implements a vSAN environment with linked clone virtual desktops and homogeneous desktop operating systems. During the last three months, users have experienced intermittent high latency, degraded performance, and lockout from desktops.

Which two methods should an administrator use to monitor and respond to the issues? (Choose two.)

- A. vRealize Log Insight
- B. vRealize Automation
- C. Live Optics
- D. HCI Bench
- E. vRealize Operations Manager

Correct Answer: AC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 22

An administrator has discovered that space utilized by VMs does not decrease after deleting files and folders within the VMs. The administrator needs to be able to reclaim this space.

Which action could the administrator perform to accomplish this task?

- A. Enable Storage I/O Control.
- B. Enable TRIM/UNMAP for the vSAN cluster.
- C. Reboot the VM to recreate the swap file.
- D. Assign a storage policy with thin provisioning.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 23

End-users are complaining that an application running on an all-flash vSAN datastore is not performing well. Which performance chart should an administrator view to troubleshoot this issue?

- A. Recovery Write IOPS
- B. Resync Latency
- C. Read Cache Read IOPS
- D. Write Buffer Free Percentage

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/vsan-673-monitoring-troubleshooting-guide.pdf>

QUESTION 24 Which two features are available with the Cluster Quickstart wizard?

(Choose two.)

- A. Deploy a vSAN Witness appliance
- B. Update storage controller drivers
- C. Check for errors and inconsistencies



- D. Setup lockdown mmode for vSAN hosts
- E. Perform pre-check evaluation for data migration

Correct Answer: BC

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.vsan-planning.doc/GUID-CF9767B6-B3F5-4787-9AF3-D661987AE525.html>

QUESTION 25

A system administrator running a 6-node cluster is trying to enable the deduplication and compression feature. During the process of switching it on, the General vSAN error occurs. What is the possible reason the General vSAN error occurred?

- A. Force provisioning setting is required.
- B. The cluster is a hybrid environment.
- C. Storage policies require FTT=1.
- D. The cluster is an all-flash environment.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <http://www.optiodata.com/documents/optio/datasheets/dell-emc-vxrail-appliance-techbook.pdf>

QUESTION 26

The vSAN host memory needs to be replaced and the entire operation is expected to take 90-120 minutes. Which vSAN advanced setting can be adjusted to avoid rebuild operations during the host hardware maintenance?

- A. Site Read Locality
- B. Forced Provisioning
- C. Object Repair Timer
- D. Thin Swap

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 27

You are designing a vSAN stretched cluster solution. What is the maximum number of nodes for this solution?

- A. 15 per data site + 1 witness host
- B. 30 per data site + 1 witness host
- C. 32 per data site + 1 witness host
- D. 64 per data site + 1 witness host

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://storagehub.vmware.com/t/vmware-vsan/vmware-vsan-6-7-technical-overview/cluster-types-3/>

QUESTION 28 What are two recommended reasons for configuring a cluster with a least one node in addition to the minimum required number?
(Choose two.)

- A. To ensure object accessibility
- B. To support the use of RAID-6
- C. To provide more flexible storage policy options
- D. To provide full protection during maintenance mode operations
- E. To support data at rest encryption on vSAN hybrid clusters

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://blogs.vmware.com/virtualblocks/2018/05/24/vsan-deployment-considerations/>

QUESTION 29

vCenter reports a number of vSAN network alarms on a 2-node vSAN Direct Connect cluster. The test pings shows irregularities in the ping results. Using vSAN Health service, which two checks should be used to identify the network root cause? (Choose two.)

- A. Physical disk operation health
- B. Network latency
- C. vSAN extended configuration
- D. vSAN disk balance
- E. vSAN basic unicast connectivity

Correct Answer: AB

Section: (none)

Explanation



Explanation/Reference:

Reference: <https://vsan-essentials.gitbooks.io/vsan-6-2/content/chapter10.html>

QUESTION 30

A vSAN administrator is designing a new all-flash vSAN cluster. The cluster will host read intensive applications. Which factor should be included in the design to improve read performance?

- A. Multiple disk groups
- B. Large capacity disks
- C. Large cache disks
- D. Large controller cache

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://vsan-essentials.gitbooks.io/vsan-6-2/content/chapter4.html>

QUESTION 31 Which storage policy actions results in a component resync?

- A. Enabling object checksum
- B. Changing object space reservation to thick provisioning
- C. Adding an IOPS Limit rule to a storage policy
- D. Changing the failure tolerance method

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 32

vSAN is configured with a storage policy with a Failures To Tolerate (FTT) set to three. Which type of redundancy is being used?

- A. RAID-0 (Striping)
- B. RAID-1 (Mirroring)
- C. RAID-6 (Erasure Coding)
- D. RAID-5 (Erasure Coding)

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: https://www.sbarjatiya.com/notes_wiki/index.php/About_VSAN_6.6

QUESTION 33 Which default VMware vSphere High Availability cluster setting must be changed when using a vSAN stretched cluster?

- A. Datastore with All Paths Down
- B. Datastore with Permanent Device Loss
- C. Response for Host Isolation
- D. Enable Host Monitoring

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.virtualsan.doc/GUID-D68890D8-841A-4BD1-ACA1-DA3D25B6A37A.html>

QUESTION 34

The cluster level backend IOPS performance graph shows a higher-than-average number of IOPS. What is a possible reason for this?

- A. Data resynchronizations
- B. Low volume of vSAN vital memory pools
- C. DRS invoking multiple vMotion migrations
- D. Destaging congestion

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://kb.vmware.com/s/article/2144493>

QUESTION 35

An administrator of vSAN 6.5 environment is planning a path to move to unicast for the vSAN network. How will the administrator achieve this?

- A. Enable LACP on vSAN switch ports.
- B. Upgrade vCenter and vSAN nodes to vSAN 6.6 or later.



- C. Enable unicast on the vSAN interfaces.
- D. Disable multicast for vSAN using ESXCLI commands.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 36 When using vSAN Encryption, where does the Key Encryption Key persistently reside?

- A. in/etc/vmware/ssl on each vSAN host
- B. in the KMS server
- C. in a VM configuration file on vSAN
- D. in the vCenter Server cache

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://blogs.vmware.com/virtualblocks/2018/07/13/understanding-ve-booting-w-vc-unavailable/>

QUESTION 37 What is a mandatory requirement for a vSAN stretched cluster?

- A. Two witness hosts protected by vSphere Fault Tolerance
- B. Minimum of two guaranteed lines of 10Gbps bandwidth
- C. vSphere Replication configured between the data sites
- D. Latency between data sites must be less than or equal to 5ms



Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://vsan-essentials.gitbooks.io/vsan-6-2/content/chapter8.html>

QUESTION 38

An architect is asked to design a vSAN cluster with these requirements:

- Supports erasure coding storage policy
- Minimized inaccessibility from single device failures
- Ability to re-protect data after a failure

The desired configuration should be able to survive a single failure.

Which configuration satisfies the design requirements?

- A. 3-node hybrid vSAN cluster
- B. 4-node hybrid vSAN cluster
- C. 4-node all-flash vSAN cluster
- D. 5-node all-flash vSAN cluster

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 39

A new vSAN cluster needs to run 900 VMs and protect against one failure.
What is the minimum number of nodes needed to meet the requirements?

- A. 3
- B. 4
- C. 5
- D. 6

Correct Answer: A

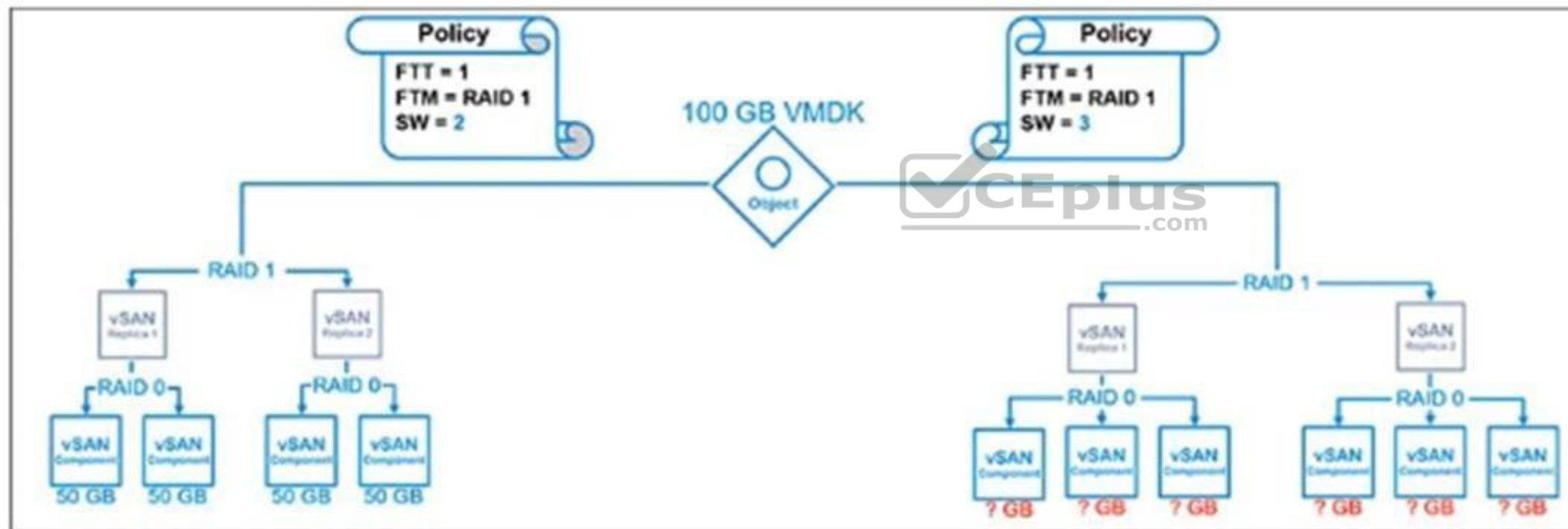
Section: (none)

Explanation

Explanation/Reference:

QUESTION 40

Refer to the exhibit.



In a 2-node vSAN environment, a storage administrator has setup a vSAN storage policy.
When the stripe width is changed to three, what is the approximate size of each replica marked in red?

- A. 33GB
- B. 50GB
- C. 66GB
- D. 100GB

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 41 Which two factors should be considered when planning usable vSAN datastore capacity?

(Choose two.)

- A. Flash Read Cache Reservation percentage
- B. Failure tolerance method
- C. Stripe width
- D. IOPS limit for objectE. Failures To Tolerate

Correct Answer: BE

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/vsan-671-planning-deployment-guide.pdf> (23)

QUESTION 42

An ESXi is being re-purposed from a 4-node cluster. The default policy is in use and storage utilization is low. Which maintenance mode should be used to avoid storage policy non-compliance?

- A. Ensure accessibility
- B. No data migration
- C. Proactive rebalance
- D. Full data migration

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://storagehub.vmware.com/t/vmware-vsan/vsan-2-node-guide/maintenance-mode-consideration-9/>

QUESTION 43 What would cause a vSAN: Basic (unicast) connectivity check failure in vSAN

Health Check?

- A. One or more hosts in the cluster are unable to ping the vSAN VMkernel adapters of other hosts in the cluster.
- B. The throughput of the physical network supporting vSAN traffic is less than the recommended minimum throughput.
- C. The vSAN VMkernel adapter is shared with another service such as vMotion.
- D. vSAN is configured to use multicast to transmit data.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://communities.vmware.com/thread/576629>

QUESTION 44 What is the maximum number of failures an object can tolerate with RAID-6?

- A. 2
- B. 3
- C. 4
- D. 6

Correct

Answer:

wer:

A

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://vsan-essentials.gitbooks.io/vsan-6-2/content/chapter6.html>

QUESTION 45 What is a supported use of the vSAN iSCSI target service?

- A. To provision storage as a VM RAW Device Mapping
- B. To provision storage for third-party hypervisors
- C. To provision storage for an ESXi host
- D. To provision storage for an Oracle RAC cluster

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.virtualsan.doc/GUID-13ADF2FC-9664-448B-A9F3-31059E8FC80E.html>

QUESTION 46

A pre-vSAN 6.6 node is added to a vSAN cluster that was recently upgraded to vSAN 6.7. What is the expected behaviour for this new node?

- A. The node will communicate via unicast with all cluster members.
- B. The node will fail to join the vSphere cluster.
- C. The node will communicate via multicast with all cluster members.
- D. The node will be network partitioned from the other cluster members.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 47 Which vSAN Health Check category is viewed to confirm supported controller drivers are in use across all hosts in the cluster?

- A. Capacity view
- B. Device mapping
- C. vSAN Build Recommendations
- D. Hardware compatibility

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://kb.vmware.com/s/article/2149405>

QUESTION 48

A host in a vSAN cluster has the following VMware Compatibility Guide approved disks:

- 3 solid state devices (SSD) used for cache
- 12 magnetic drives (HDD) used for capacity

Which two options are valid disk group configurations? (Choose two.)

- A. 1 Disk Group with 2 SSD and 6 HDD



- B. 1 Disk Group with 3 SSD and 12 HDD
- C. 2 Disk Groups with 1 SSD and 6 HDD each
- D. 3 Disk Groups with 1 SSD and 4 HDD each
- E. 4 Disk Groups with 3 HDD each

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 49

A vSAN administrator is building a new vSAN cluster and each host only has two physical uplinks configured in a team. What can the administrator use to ensure vSAN receives the necessary bandwidth while maintaining high availability?

- A. Route based on IP hash
- B. A dedicated uplink for vSAN traffic
- C. Shared uplinks for all traffic
- D. Network I/O control

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 50

The Resyncing Objects view in the vCenter UI reports that some objects are currently resyncing. Which two actions would cause the objects to resync? (Choose two).



- A. A change to the storage policy is applied to the objects.
- B. A VM snapshot is being deleted.
- C. An ongoing vMotion operation is moving a VM between hosts in the cluster.
- D. A host failure occurs in the cluster.
- E. HA Virtual Machine Monitoring forced a VM to reboot.

Correct Answer: AD

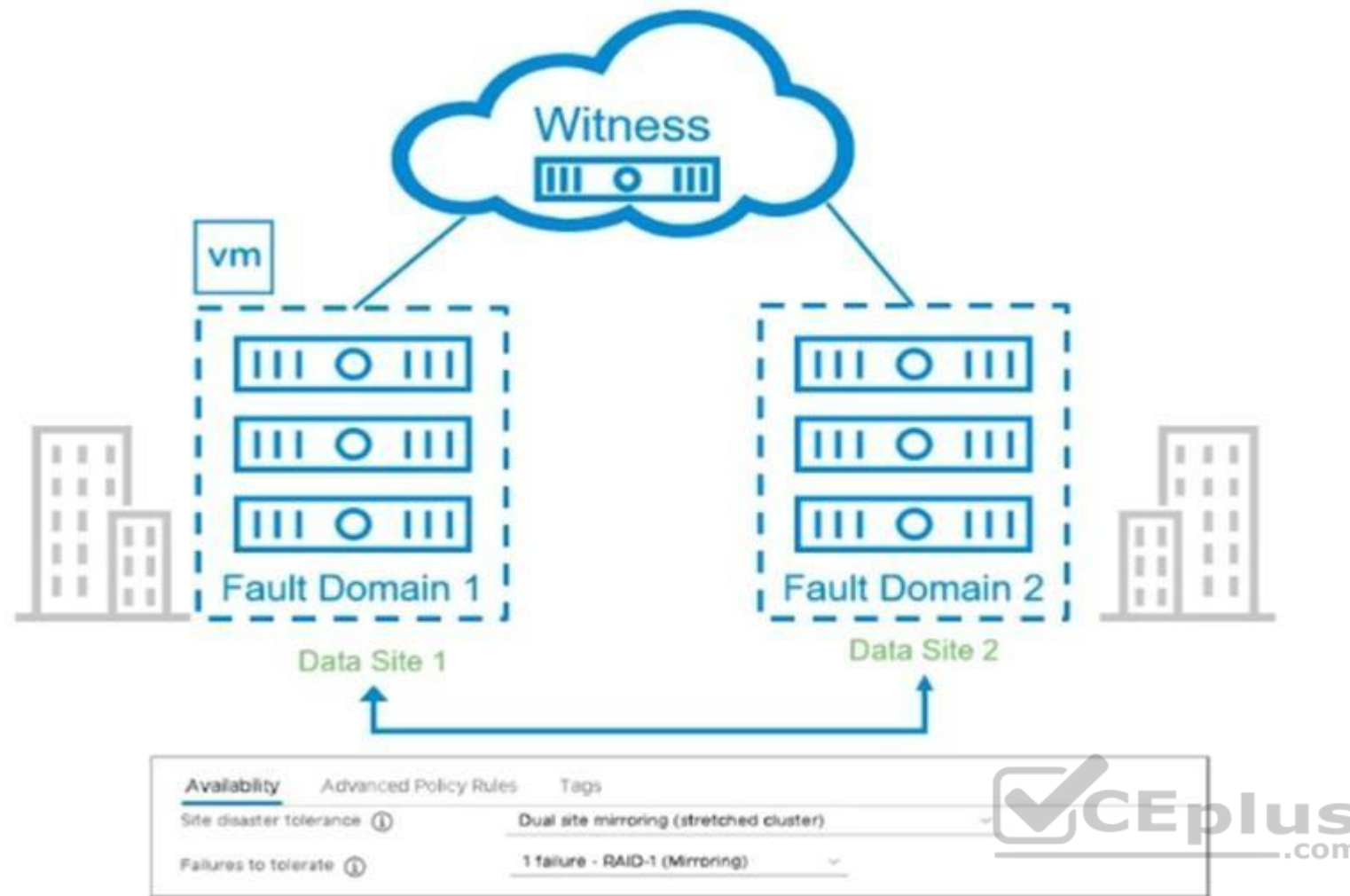
Section: (none)

Explanation

Explanation/Reference:

QUESTION 51

Refer to the exhibit.



A storage administrator is designing a vSAN stretched cluster with production workload running on a preferred site. A VM has been deployed on the preferred site. How does the VM read I/O?

- A. 50 percent from preferred site and 50 percent from non-preferred site
- B. 70 percent from preferred site and 30 percent from non-preferred site
- C. 100 percent from preferred site
- D. 100 percent from non-preferred site

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 52 What is the minimum recovery point objective (RPO) that can be achieved using vSphere Replication with vSAN?

- A. 5 minutes
- B. 15 minutes
- C. 30 minutes
- D. 60 minutes

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://docs.vmware.com/en/vSphere-Replication/8.1/com.vmware.vsphere.replication-admin.doc/GUID-9E17D567-A947-49CD-8A84-8EA2D676B55A.html>

QUESTION 53

An administrator creates a storage policy with Failures To Tolerate (FTT) of two and RAID-6 erasure coding. Which cluster configuration with a vSAN datastore is compatible with the storage policy?

- A. 6-node hybrid
- B. 7-node all-flash
- C. 5-node-all-flash
- D. 4-node hybrid

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 54 In a vSAN Stretched Cluster configuration, when is the non-preferred site determined to be isolated?

- A. When the master node is unable to communicate with any non-preferred site nodes
- B. When the nodes in the non-preferred site are unable to communicate with the vSAN Witness
- C. When the backup node is unable to communicate with the preferred site
- D. When the master node is unable to communicate with the backup node

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 55 In a vSAN all-flash configuration, which two design tasks influence the selection of flash and capacity disks?
(Choose two.)

- A. Reserving 10 percent of cluster CPU?
- B. Reserving 8 vCPU and 32 GB vRAM for controller VM
- C. Determining workload type
- D. Selecting appropriate flash device endurance
- E. Sizing two flash drives for every disk group

Correct Answer: DE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 56

A vSAN Witness has connectivity to a vSAN cluster with supported maximum latency of 500 milliseconds round-trip time (RTT). Which vSAN cluster type is the vSAN Witness a member of?

- A. vSAN stretched cluster with 4 nodes in each site



- B. vSAN 2-node direct connected cluster
- C. 4-node vSAN cluster using erasure coding
- D. 16-node vSAN cluster with nested fault domains

Correct Answer: B

Section: (none)

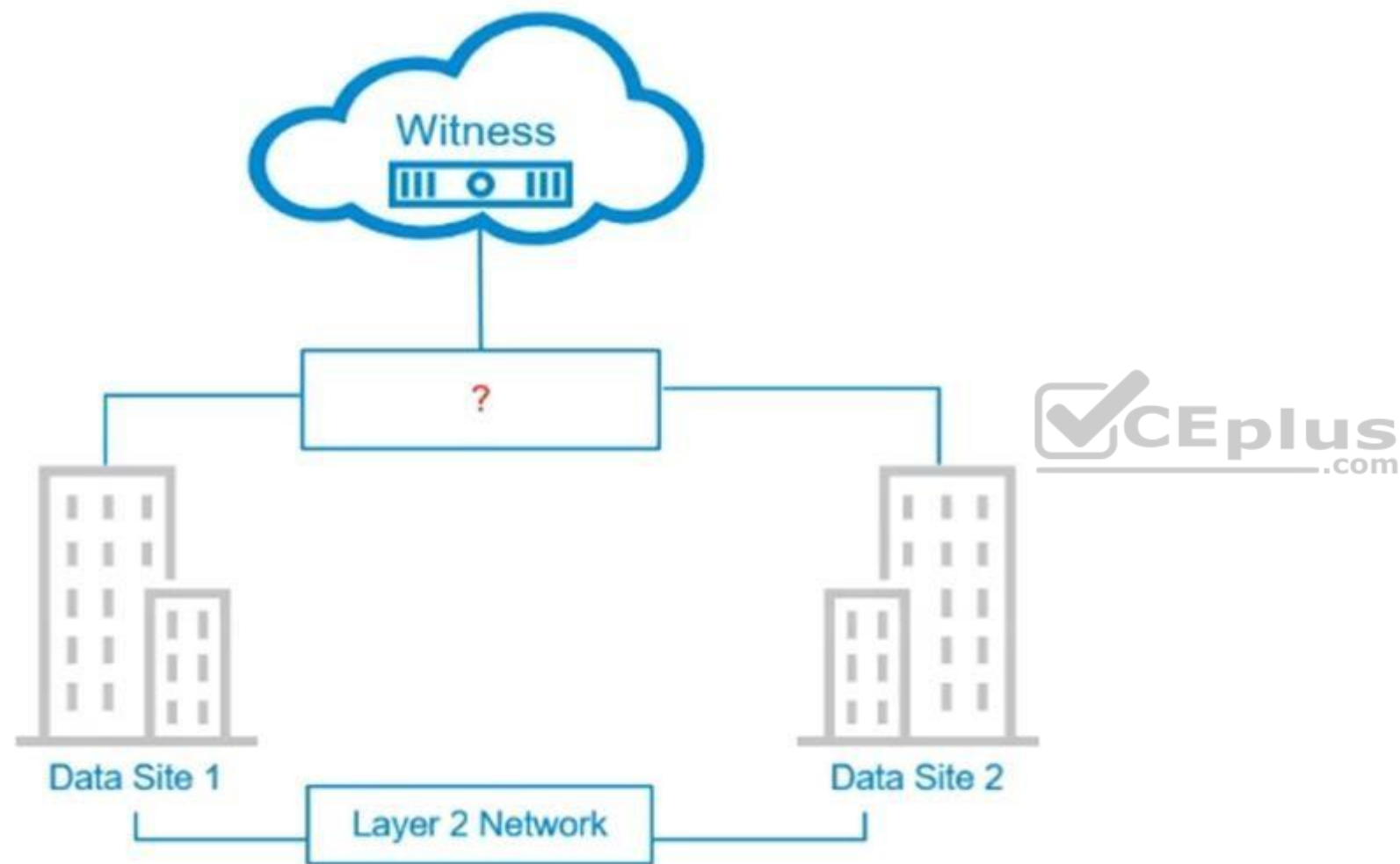
Explanation

Explanation/Reference:

Reference: [https://book.akij.net/eBooks/2018/March/5ab76ee97f532/SA.net.cd.EssentialVirtualSAN\(VSAN\).pdf](https://book.akij.net/eBooks/2018/March/5ab76ee97f532/SA.net.cd.EssentialVirtualSAN(VSAN).pdf) (56)

QUESTION 57

Refer to the exhibit.



Which networking requirement fulfills the connectivity between the Data Sites and the Witness node?

- A. Extended Data Site network
- B. vMotion network
- C. Direct Connect network
- D. Layer 3 network

Correct Answer: D

Section: (none)

Explanation**Explanation/Reference:**

Reference: <https://storagehub.vmware.com/t/vmware-vsan/vsan-2-node-guide/network-design-considerations-7/>

QUESTION 58 Which type of encryption is used for the data encryption key on the vSAN datastore?

- A. TLS 1.1
- B. TLS 1.2
- C. AES-XTS 256
- D. AES-XTS 128

Correct Answer: C

Section: (none)

Explanation**Explanation/Reference:**

Reference: <https://searchvmware.techtarget.com/tip/VSAN-Encryption-What-it-is-what-it-does-and-how-to-use-it>

QUESTION 59

An administrator is implementing deduplication and compression on a vSAN all-flash cluster. -There are 4 nodes in the vSAN cluster.

-Existing VMs use a RAID-5 storage policy

How can deduplication and compression be enabled while permitting the VMs to remain operational?

- A. Enable vSAN datastore and encryption.
- B. Use explicit fault domains.
- C. Use the Allow Reduced Redundancy option.
- D. Enable TRIM/UNMAP.

Correct Answer: A

Section: (none)

Explanation**Explanation/Reference:**

QUESTION 60 Which resource provides information about vSAN compatibility with other VMware products?

- A. VMware Product Interoperability Matrices
- B. vSAN Sizing Guide
- C. vSAN Ready Node Configurator
- D. vSAN Compatibility Guide

Correct Answer: D

Section: (none)

Explanation**Explanation/Reference:**

Reference: <https://www.vmware.com/resources/compatibility/search.php?keyword=34857&details=1&deviceCategory=vsanio&productid=34857>

