

VMware.5V0-21.21.v2023-11-13.q27

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NEW QUESTION: 1

for a customer who is planning to use vRealize Automation to provision 600 virtual machines into that cluster, with expected growth up to 1,000 VM. Each VM has a 40GB thick-provisioned disk.

Which flash disk size is required for the cache tier per ESXi node to meet all requirements?

- A. 600GB
- B. 800GB
- C. 400GB
- D. 700GB

Answer: B (LEAVE A REPLY)

NEW QUESTION: 2

An administrator wants to deploy Kubernetes on an end-to-end VMware stack, using VMware vSAN for storage.

Which VMware product should the administrator install as the Kubernetes platform choice?

- A. VMware Tanzu Kubernetes Grid
- B. VMware Tanzu Data services
- C. VMware Tanzu Build service
- D. VMware Tanzu Mission Control

Answer: (SHOW ANSWER)

Reference:

<https://docs.vmware.com/en/VMware-Tanzu-Kubernetes-Grid-Integrated-Edition/index.html>

There is a picture with integration with vSAN

NEW QUESTION: 3

Which statement accurately describes the result when proper VM Storage Policy Affinity Rules on a stretched vSAN cluster are set?

- A. When a site is disconnected, the VM will lose access to its VMDK.
- B. Bandwidth is unnecessarily sent across the inter-site link.
- C. When a site is disconnected, the VM will continue to have access to its VMDK.
- D. Proper policies result in higher inter-site bandwidth utilization.

Answer: [\(SHOW ANSWER\)](#)

NEW QUESTION: 4

An architect collected the below technical requirements from the customer during a vSAN cluster design workshop:

- * Maximize the vSAN datastore usable capacity.
- * Deduplication and compression are required to help utilize available capacity efficiency.
- * Ensure the highest level of resiliency wherever possible.

Which disk group configuration should the architect include in the design?

- A. Two disk groups per host, each with one cache tier flash disk and six capacity tier flash disks.
- B. Two disk groups per host, each with one cache tier flash disk and four capacity tier flash disks.
- C. Two disk groups per host, each with one cache tier flash disk and six capacity tier magnetic disks.
- D. One disk group per host, with one cache tier flash disk and four capacity tier flash disks.

Answer: [A \(LEAVE A REPLY\)](#)

NEW QUESTION: 5

An administrator is planning to deploy cloud-native workloads onto the vSAN Direct datastore.

Which storage policy structure rule is supported?

- A. Storage performance-based rules
- B. vVOL storage rules
- C. Host-based rules
- D. Tag-based placement rules

Answer: [D \(LEAVE A REPLY\)](#)

NEW QUESTION: 6

In a stretched vSAN cluster, how is Read Locality established after fail over to the secondary site?

- A. 100% of the reads comes from vSAN hosts on the remote site
- B. 100% of the reads comes from vSAN hosts on the local site
- C. 50% of the reads comes from vSAN hosts on the remote site
- D. 50% of the reads comes from vSAN hosts on the local site

Answer: [B \(LEAVE A REPLY\)](#)

NEW QUESTION: 7

During a vSAN design workshop, an architect collected these customer requirements:

- * Leverage vSAN storage policies with Erasure Coding.
- * Enable Deduplication and Compression.
- * Use the minimum number of hosts in the cluster.
- * Maintain full storage policy compliance when two nodes are down.

Which vSAN cluster design meets the customer's requirements?

- A. Six nodes Hybrid vSAN cluster
- B. Five nodes All-Flash vSAN cluster
- C. Five nodes Hybrid vSAN cluster
- D. Six nodes All-Flash vSAN cluster

Answer: (SHOW ANSWER)

NEW QUESTION: 8

An administrator is planning to deploy cloud-native workloads onto the vSAN Direct datastore.

Which storage policy structure rule is supported?

- A. Host-based rules
- B. vVOL storage rules
- C. Tag-based placement rules
- D. Storage performance-based rules

Answer: C (LEAVE A REPLY)

<https://docs.vmware.com/en/VMware-vSphere/7.0/vmware-vsphere-with-tanzu/GUID-40E5FD5C-E9A0-4D6D-8429-0DD5FE5F0E9F.html>

<https://4sysops.com/archives/how-to-configure-vmware-vsan-direct-on-vsphere-7-u1/>

NEW QUESTION: 9

A company has deployed a 12-node (6-6-1) vSAN 7.0 stretched cluster for all production workloads.

The customer currently uses four different vSAN storage policies for running the workloads depending on the applications requirements:

- * Policy 1 - Site Disaster Tolerance=Dual Site Mirroring, FTT=Erasure Coding
- * Policy 2 - Site Disaster Tolerance=Dual Site Mirroring, FTT=Mirroring
- * Policy 3 - Site Disaster Tolerance=None - Keep Data on Preferred, FTT=Mirroring
- * Policy 4 - Site Disaster Tolerance=None - Keep Data on Non-Preferred, FTT=Mirroring

During the setup of the vSAN stretched cluster, the following VM/Host Rules were created:

- * Preferred Site - Preferred Site workloads should run on DC1 hosts.
- * Secondary Site - Secondary Site workloads should run on DC2 hosts.

Which two activities should the administrator complete to ensure that there is no impact to production services during the maintenance window in the Preferred Site? (Choose two.)

- A. Change the Site Disaster Tolerance setting in Policy 4 to be "None - Keep Data on Preferred".
- B. Update vSphere DRS site affinity rules so that Preferred Site workloads must run on hosts in DC2.
- C. Change the Site Disaster Tolerance setting in Policy 3 to be "Dual Site Mirroring".
- D. Update vSphere DRS site affinity rules so that Preferred Site workloads should not run on hosts in DC1.
- E. Change the FTT setting in Policy 3 to be "Erasure Coding".

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 10

An 8-Node vSAN Stretched Cluster (4+4+1) with a single disk group has a policy with PFTT=1 (mirrored across sites) and SFTT=1/FTM Mirroring (Local Protection) configured. The administrator has been alerted that there is a problem with the cluster. The following has been observed:

- * The vSAN Witness Host is offline.
- * Two disk failures on two hosts have occurred in the preferred site.

This has resulted in a critical production virtual machine's vmdk becoming inaccessible.

Which step needs to be performed by the administrator to resolve the issue?

- A. Replace only one failed disk on the preferred site.
- B. Replace all failed disks on the preferred site.
- C. Replace access to the existing vSAN Witness Host
- D. Replace the vSAN Witness Host

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 11

An administrator wants to enable encryption on an existing vSAN cluster that already contains virtual machines.

Which additional step should the administrator take to ensure no data is lost during the encryption process?

- A. Select 'Erase disks before use' check box when enabling encryption on a vSAN cluster.
- B. Make vCenter Server trust the KMS, either by trusting the KMS or by uploading a KMS certificate.
- C. Ensure that the vSAN Encryption is enabled by default on the existing cluster to encrypt old and new data.
- D. Disable vSphere Distributed Resources Schedule (DRS) on the vSAN cluster.

Answer: ([SHOW ANSWER](#))

Reference:

You must have configured a standard key provider and established a trusted connection between vCenter Server and the KMS.

NEW QUESTION: 12

An administrator has been tasked with enabling encryption for existing virtual machines on a vSAN cluster.

Which three prerequisites must be satisfied before completing the task? (Choose three.)

- A. Create an encryption storage policy
- B. Enable Data-In-Transit encryption first
- C. Enable that the virtual machines are powered on
- D. Verify if a role with privilege "Cryptographic operations.Encrypt new" is assigned
- E. Verify if a role with privilege "Cryptographic operations.Migrate" is assigned
- F. Establish a trusted connection with the KMS

Answer: A,D,F (LEAVE A REPLY)

Because Before you can create encrypted virtual machines, you must create an encryption storage policy. You create the storage policy once, and assign it each time you encrypt a virtual machine or virtual disk. <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.security.doc/GUID-7DE1ED8F-880B-421E-B27B-5AAA58454AFA.html>

NEW QUESTION: 13

An administrator is setting up vSAN file services on a vSAN cluster.

Which two security policies on the distributed port groups are automatically enabled in the process? (Choose two.)

- A. Jumbo Frames
- B. MacLearning
- C. Promiscuous Mode
- D. DVFiltering
- E. Forged Transmits

Answer: C,E (LEAVE A REPLY)

NEW QUESTION: 14

An architect is tasked to design a VMware Horizon Solution with vSAN. The architect needs to use a solution to host the user's profile shares in a highly available manner, and it must be guest OS independent.

Which solution will match these requirements?

- A. iSCSI on vSAN
- B. Cluster in a box
- C. Cluster out of the box
- D. NFS on vSAN

Answer: A (LEAVE A REPLY)

NEW QUESTION: 15

A cache disk failure marked a vSAN disk group as failed, and the data is being rebuilt on other disk groups.

Which action should the vSAN administrator take to reduce the negative impact on the VMs?

- A. Enabling Resync Throttling
- B. Enabling Maintenance mode with no data evacuation
- C. Setting the vSAN policy's IOPS limit for object value to 0 (unlimited)
- D. Enabling automatic rebalance

Answer: A (LEAVE A REPLY)

NEW QUESTION: 16

An architect is working with an All-Flash vSAN configuration and will be using the Flash Caching Devices in vSAN.

Which requirement is specifically needed for these devices?

- A. Write endurance
- B. IOPS
- C. Read endurance
- D. Capacity

Answer: (SHOW ANSWER)

Reference:

In all-flash configurations, vSAN uses the cache layer for write caching only. The write cache must be able to handle high write activities. <https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vsan-planning.doc/GUID-1D6AD25A-459A-43D6-8FF5-52475499D6A2.html>

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NEW QUESTION: 17

An architect is designing for a production vSAN cluster, and the customer introduced these requirements related to File Services: A minimum of 12 files shares. 30TB NFS capacity to mount workload VMs.

What should be the architect's recommendations?

- A. Raise concerns regarding support when running VMs on an NFS share as risk.

- B. Confirm on all of the requirements and move forward with the physical design.
- C. Highlight the required number of nodes required for the vSAN cluster as a constraint.
- D. Point out the risks regarding putting the hosts in maintenance mode in terms of FSVM.

Answer: C (LEAVE A REPLY)

NEW QUESTION: 18

An administrator has been tasked to reboot a node in an encrypted vSAN cluster. The vSAN disk groups on that node become locked after rebooting the node.

Which step should be performed to exit the locked state?

- A. Run `/etc/init.d/vsanvdp restart` to rescan the VASA providers.
- B. Replace the caching device in each affected disk group.
- C. Manually replace the Host Encryption Key (HEK) of each affected host.
- D. Restore the communication with the KMS server, and re-establish the trust relationship.

Answer: (SHOW ANSWER)

NEW QUESTION: 19

multiple data centers, the customer relayed the following information:

- * Highest possible mitigation during a host failure in terms of capacity.
- * A constraint in this year's IT budget.

What should the architect recommend?

- A. Enable operations reserve.
A minimum cluster of 3 vSAN nodes.
- B. Enable host build reserve.
A minimum cluster of 4 vSAN nodes.
- C. Enable performance services.
A minimum cluster of 6 vSAN nodes.
- D. Enable IOInsight Metrics.
A minimum cluster of 2 vSAN ROBO nodes.

Answer: B (LEAVE A REPLY)

Performance services and IOinsight Metrics used for performance analysis. Operation reserve for internal VSAN operations.

<https://blogs.vmware.com/virtualblocks/2020/09/24/effective-capacity-management-with-vsant-7-update-1/>

NEW QUESTION: 20

Which statement accurately describes the result when proper VM Storage Policy Affinity Rules on a stretched vSAN cluster are set?

- A. When a site is disconnected, the VM will continue to have access to its VMDK.
- B. Bandwidth is unnecessarily sent across the inter-site link.
- C. Proper policies result in higher inter-site bandwidth utilization.
- D. When a site is disconnected, the VM will lose access to its VMDK.

Answer: (SHOW ANSWER)

NEW QUESTION: 21

A company has engaged a consultant to upgrade an existing vSAN cluster to vSAN 7.0 U1. The company wants to ensure that the same vSAN process can be used in the future. During the discovery phase, the consultant found the following information about the existing environment:

- * The vCenter Server is currently version 7.0.
- * The vSAN Cluster has the following configuration:
 - vSAN version: 7.0
 - Number of vSAN nodes: 6
 - Encryption: enabled
 - Deduplication and Compression: enabled
 - Fault Domains: 1
 - vSAN Capacity Utilization: 60%
- * Each vSAN node has the following configuration:
 - ESXi version: VMware vSphere 7.0
 - CPU: 2 processors, 20 cores
 - RAM: 1024GB RAM.
 - Disk: 2 Cache SSDs and 6 Capacity SSDs
 - Network: 4 x 10GbE
- * All current hardware (which is from a single vendor) is listed on the vSAN Compatibility Guide for vSAN 7.

Which three recommendations should the consultant make to ensure that the vSAN cluster upgrade is completed? (Choose three.)

- A.** Choose the Allow reduced redundancy option.
- B.** Upgrade to VMware vCenter Server 7.0 U1.
- C.** Upgrade all vSAN nodes to VMware vSphere 7.0 U1 using the baselines capability within VMware Update Manager (VUM).
- D.** Set VMware Distributed Resource Scheduling (DRS) to partially automated.
- E.** Disable vSAN Encryption before starting the upgrade process.
- F.** Upgrade all vSAN nodes to VMware vSphere 7.0 U1 using the images capability within VMware Update Manager (VUM).

Answer: C (LEAVE A REPLY)

NEW QUESTION: 22

An administrator is tasked to create a custom storage policy for workloads and is including additional disk stripes while defining the storage policy.

What is the main purpose of this practice?

- A.** To set a failure tolerance
- B.** To improve performance

- C. To increase available storage space
- D. To reconstruct corrupted data

Answer: A (LEAVE A REPLY)

NEW QUESTION: 23

cluster for a customer who is planning to use vRealize Automation to provision 600 virtual machines into that cluster, with expected growth up to 1,000 VM. Each VM has a 40GB thick-provisioned disk.

Which flash disk size is required for the cache tier per ESXi node to meet all requirements?

- A. 400GB
- B. 700GB
- C. 600GB
- D. 800GB

Answer: D (LEAVE A REPLY)

40GB x 1000VMs = 40 000 GB total max expected usage 40 000GB / 5 node cluster = 8000 GB per node cache should be 10% so 800GB SSD is needed. However this question is stupid from real life perspective. one host can run up to 200 VMs - so what with MM, any failure ? Cluster should be sized with 6 ESXi hosts minimum

NEW QUESTION: 24

data centers, the customer relayed the following information:

- * Highest possible mitigation during a host failure in terms of capacity.
- * A constraint in this year's IT budget.

What should the architect recommend?

- A. Enable host build reserve.
A minimum cluster of 4 vSAN nodes.
- B. Enable IOInsight Metrics.
A minimum cluster of 2 vSAN ROBO nodes.
- C. Enable performance services.
A minimum cluster of 6 vSAN nodes.
- D. Enable operations reserve.
A minimum cluster of 3 vSAN nodes.

Answer: A (LEAVE A REPLY)

NEW QUESTION: 25

Upon checking the latency goal under vSAN performance diagnostics, the vSAN Administrator sees this message displayed:

The increase in latency in the vSAN stack might be beyond expected limits.

Which two root causes can be identified to help remediate the issue? (Choose two.)

- A. Large packet losses and retransmissions on the network layer
- B. One or more disk groups are congested

- C. vSAN VMKernel portgroup is configured with the "Route based on IP hash" teaming policy
- D. vSAN encryption is enabled
- E. Incorrect sizing of the disk groups capacity disks

Answer: A,B (LEAVE A REPLY)

NEW QUESTION: 26

An architect is working with an All-Flash vSAN configuration and will be using the Flash Caching Devices in vSAN.

Which requirement is specifically needed for these devices?

- A. Read endurance
- B. Write endurance
- C. Capacity
- D. IOPS

Answer: B (LEAVE A REPLY)

NEW QUESTION: 27

During a design workshop for a stretched vSAN cluster, the requirement that some of the VMs be configured with no-mirror between sites was discussed.

Which three recommendations should the architect provide to address an event of a network partition between two sites? (Choose three.)

- A. One isolation address reachable only from the witness appliance in both sites
- B. VMware vSphere DRS rules to force the VMs to run where the data resides
- C. One of isolation addresses should reside in the site 1 data center
- D. The default gateway must be used as the only isolation address
- E. One of isolation addresses should reside in the site 2 data center
- F. Host isolation response must exclude the VMs required

Answer: B,E,F (LEAVE A REPLY)

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