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NEW QUESTION: 1

An architect is designing a series of new vSphere environments for an organization. The environments will be deployed in their US-East and US-West region data centers. Each data center may have one or more dedicated vSphere environments. Only the vSphere environments within a data center will be configured with Enhanced Linked Mode. The Chief Technology Officer (CTO) has authorized the use of VMware vRealize Automation Cloud for automation. The build team creates standardized virtual machine images for various operating systems in Open Virtualization Format (OVF) and publishes the latest version on an as-needed basis to an internal HTTPS-accessible repository.

The architect must design a content library topology that meets the following requirements:

- A localized content library must be available in each data center.
- Each content library must be updated when an image is updated and released by the build team.
- The cloud automation platform must be able to consume the latest approved content library images.
- It must leverage the existing build team processes.

What should the architect recommend to meet the requirements?

A. Work with the build team to automate a JSON-based manifest to the repository when changes occur in the repository.

Create a subscribed content library for each vSphere environment.

Configure the content library to download content when needed.

B. Create a local content library for the primary vSphere environment in each data center.

Create a subscribed content library for each additional vSphere environment in each data center.

Configure the content library to download content automatically.

C. Work with the build team to automate a JSON-based manifest to the repository when changes occur in the repository.

Create a subscribed content library for each vSphere environment.

Configure the content library to download content automatically.

D. Work with the build team to create a local content library for each vSphere environment. Import the OVF images when new image are published to the repository.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 2

What is the purpose of identifying constraints in a design?

- A.** To understand the limitations and restrictions that may affect the design.
- B.** To specify the expected levels of system performance and responsiveness.
- C.** To ensure the design meets the required industry regulations and standards.
- D.** To determine the potential risks and threats to the design's success.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 3

In a meeting to discuss the minimum viable product (MVP) deployment of a new customer-facing application, the key stakeholder shares details of the application components and the application administrators share details of performance and integrity tests for the application.

The application will be made up of the following components:

A web server

- Steps to confirm the web server is operating correctly will take 15 minutes after the application server is online.

An application server

- Steps to confirm application server integrity will take 15 minutes after the database is online.

A database server

- The database server will be managed by a database administrator, with an agreed service-level agreement (SLA) to restore and validate database services within one hour.

The existing VMware infrastructure offers a recovery point objective (RPO) of 5 minutes and recovery time objective (RTO) of 15 minutes through a combination of backups and replication.

In the event of an outage impacting all three application components, how long will it take for the application to recover and complete all checks?

- A.** 15 minutes
- B.** 60 minutes
- C.** 105 minutes
- D.** 90 minutes

Answer: **C** ([LEAVE A REPLY](#))

105 : 15 minutes RTO to restore VMs, +60 for Database Admin to restore/validate DB services + 15 minutes for Application server integrity checks and 15 more minutes for web server.

NEW QUESTION: 4

As part of a new hybrid cloud initiative for a large financial company, the customer technical team is presenting an overview of the current state of the infrastructure and their vision for a new

solution. The project team captures notes during the presentation and adds them to the discovery documentation.

Which of the listed statements is a design constraint?

- A. The existing storage is out of maintenance
- B. The applications are created in-house with in-guest recovery protection
- C. The two data center locations have a network latency of 8 ms round-trip time (RTT)
- D. The maximum tolerable data loss is 10 minutes

Answer: C (LEAVE A REPLY)

NEW QUESTION: 5

Which two of the listed requirements would be classified as performance non-functional requirements? (Choose two.)

- A. The vSphere platform must be able to provide N+1 redundancy
- B. The vSphere platform must be able to provide a maximum read latency of 15 ms
- C. The vSphere platform must be able to provide a minimum throughput of 400 MB/s
- D. The vSphere platform must be able to provide a recovery time objective of 30 minutes
- E. The vSphere platform must be able to provide a service-level agreement (SLA) of 99,9%

Answer: B,C (LEAVE A REPLY)

NEW QUESTION: 6

An architect will be taking over control of a former Linux server fleet and repurposing the hardware into a new vSphere cluster. The current environment is already connected to the network but the hosts do not have any local disks. Since the fleet hardware is uniform, the architect can use a single ESXi image. All hosts within the cluster have the same CPU and memory capacity.

Which ESXi deployment method should the architect use?

- A. Stateless cached vSphere Auto Deploy
- B. Stateless vSphere Auto Deploy
- C. Manual install of each ESXi host with an image from USB
- D. Stateful vSphere Auto Deploy

Answer: B (LEAVE A REPLY)

Both Stateless caching and Stateful Auto Deploy options store ESXi configuration or state on the host disk. Since no local disk available, Stateless Auto Deploy is the best option.

NEW QUESTION: 7

During a requirements gathering workshop, the customer's Chief Information Security Office (CISO) provides the following requirements that are pertinent to the design of a new vSphere environment:

- All operating system critical patches must be installed within 24 hours of release.
- All virtual machine templates must be updated every three months in line with company policy.

Which requirement classification is being gathered for the design documentation?

- A. Security
- B. Manageability
- C. Recoverability
- D. Availability

Answer: ([SHOW ANSWER](#))

Lifecycle management and patch definition is cover by Manageability Nonfunctional requirement.
<https://securityboulevard.com/2020/12/building-non-functional-requirements-framework-requirements-categories/>

NEW QUESTION: 8

An architect is reviewing a physical storage design. The customer has specified that storage DRS will be used for ease of operational management for capacity and performance.

Which recommendation should the architect include in the design?

- A. Create smaller datastores to balance space with Storage DRS
- B. Use a larger number of storage profiles (varied disk speeds and RAID levels) to improve performance
- C. Create larger datastores to balance space with Storage DRS
- D. Create more datastores within each Storage DRS cluster to balance space and performance

Answer: ([SHOW ANSWER](#))

You could create 2x 64TB LUNs, 4x 32TB LUNs, 16x 8TB LUNs or 32x 4TB LUNs. When there are more datastores, SDRS will have more option to find right datastore to fit the virtual machine to placed or moved.

NEW QUESTION: 9

What does evaluating storage protocols in a given scenario involve?

- A. Selecting the most suitable storage protocol (e.g., NFS, iSCSI, Fibre Channel) based on specific requirements.
- B. Ensuring that different storage segregation techniques are implemented in the vSphere environment.
- C. Identifying the network protocols required for vSphere networking.
- D. Determining the physical and storage connectivity topology.

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

NEW QUESTION: 10

What is the main focus of determining disaster recovery requirements for a vSphere design?

- A. To ensure the confidentiality, integrity, and availability of data and resources in the vSphere environment.
- B. To optimize the network protocols and configurations for data transfer.
- C. To plan for the recovery and restoration of critical services and data in case of a disaster.
- D. To identify the specific tasks and operations the vSphere system should perform.

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

NEW QUESTION: 11

An architect is designing a new vSphere environment to meet the following requirements:

- REQ01 The platform must provide a minimum of N+1 redundancy.
- REQ02 The recovery point objective (RPO) for all virtual machines within the environment is one hour.
- REQ03 The production environment must be deployed into the primary data center.
- REQ04 The design must adhere to the company security standards, which include Payment Card Industry (PCI) Data Security Standard compliance.
- REQ05 The platform must be capable of running 1,000 virtual machines across both data centers concurrently.

Which two of the listed requirements would be classified as functional requirements? (Choose two.)

- A.** The production environment must be deployed into the primary data center.
- B.** The platform must be capable of running 1,000 virtual machines across both data centers concurrently.
- C.** The platform must provide a minimum of N+1 redundancy.
- D.** The design must adhere to the company security standards, which include Payment Card Industry (PCI) Data Security Standard compliance.
- E.** The recovery point objective (RPO) for all virtual machines within the environment is one hour.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 12

An architect is tasked with designing a greenfield VMware software-defined data center (SDDC) solution that will be used to deliver a private cloud service for a customer.

During the initial meeting with the service owner and business sponsor, the customer has provided the following information to help inform the design:

- The solution must initially support the concurrent running of 300 production and 600 development virtual machines.
- The production environment should be delivered across two geographically dispersed data centers.

The development environment must be vSphere-based but does not have to be deployed on-premises.

- The two data centers are connected to each other through multiple diversely routed, high bandwidth and low latency links.
- The customer's server hardware standard document states that all virtual infrastructure hosts must be based on blade architecture only.
- The service owner has said that is important to ensure that neither the availability target of 99.5% nor the resource capacity is affected when the operations team completes maintenance activities, such as the monthly software patching and ad-hoc hardware break/fix.
- All virtual machine backups must be completed using the existing backup service.

- The recovery time objective (RTO) for the service is four hours.
- The recovery point objective (RPO) of the service is 24 hours.

Given the information from the customer, which two would be classified as assumptions within the design? (Choose two.)

- A.** The customer will update their hardware standard to support rack mount servers
- B.** All virtual machines will be deployed with the same resource profile for production and development
- C.** The backup service has sufficient capacity for the new requirements
- D.** The clusters will have a minimum redundancy of N+1
- E.** The backup service will store data in a secure facility

Answer: C,D ([LEAVE A REPLY](#))

NEW QUESTION: 13

An architect is designing the expansion of an existing vSphere 7 environment. The customer is requesting a design for a new cluster to support the anticipated future business growth. The requirements specified for the existing environment design must be considered when designing the new cluster.

The existing design has the following requirements:

- REQ01 The environment has an availability target of 99.5% for all infrastructure.
- REQ02 The recovery time objective (RTO) for Tier 1 virtual machines is one hour.
- REQ03 Windows and Linux virtual machines must reside on separate clusters.
- REQ04 Access to the management cluster within the environment must be controlled.

Which of the listed requirements would be classified as a functional requirement?

- A.** Access to the management cluster within the environment must be controlled
- B.** The recovery time objective (RTO) for Tier 1 virtual machines is one hour
- C.** The environment has an availability target of 99.5% for all infrastructure
- D.** Windows and Linux virtual machines must reside on separate clusters

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 14

What is a benefit of using a scale-out method for handling vSphere cluster growth?

- A.** Less potential impact to virtual machines during a single host failure
- B.** An increase in the recovery time objective (RTO) for the cluster
- C.** An overall reduction in the license costs for the cluster
- D.** Faster to reach the limit of virtual machines per host

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 15

When performing a vSphere upgrade, what is the best practice to ensure compatibility with existing hardware, software, and third-party plugins?

- A.** Disconnect all third-party plugins before starting the upgrade process

- B. Upgrade ESXi hosts first, followed by the vCenter Server
- C. Upgrade the vCenter Server first, followed by ESXi hosts
- D. Perform a clean installation of vSphere components on new hardware

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

NEW QUESTION: 16

What do Service-Level Agreement (SLA) requirements define?

- A. The expected performance and availability levels agreed upon with clients or users.
- B. The network protocols and configurations for data transfer.
- C. The specific tasks and operations that the system must perform.
- D. The physical hardware specifications needed for the system.

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

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NEW QUESTION: 17

During the installation of ESXi, what is the minimum number of network interfaces required for management and vMotion traffic, respectively?

- A. 1, 1
- B. 1, 0
- C. 2, 2
- D. 0, 1

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

NEW QUESTION: 18

A new real-time financial service application is being developed by the engineering team at a financial firm and will be released as a public Software-as-a-Service (SaaS) offering. The solutions architect has designed and deployed a new vSphere environment and the supporting network infrastructure for hosting all public services. ESXi hosts are configured to use Precision Time Protocol (PTP) and a local stratum-1 network time server.

Application provisioning and scaling will be managed by VMware vRealize Automation and can be run on Microsoft Windows or multiple distributions of Linux.

Which three recommendations should the architect include in the design to ensure that the service maintain timekeeping within an accuracy of one second? (Choose three.)

- A. Configure the chrony time-sync agent on each virtual machine guest operating system.
- B. Use a Linux distribution as the guest operating system.
- C. Use Microsoft Windows Server as the guest operating system.
- D. Set the virtual hardware device to use Host System Time (NTP) for each virtual machine running the application.
- E. Add a virtual watchdog timer (VWDT) device to each virtual machine running the application.
- F. Add a precision clock virtual device to each virtual machine running the application.

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

NEW QUESTION: 19

Which design decision must be included in a design to allow for the deployment of a minimum supported configuration of vCenter High Availability (HA)?

- A. A new subnet will be provisioned for vCenter HA services
- B. A vSphere cluster will consist of more than three nodes
- C. The deployed vCenter Server will be Tiny
- D. The vCenter HA network will support a latency of less than 50 ms

Answer: (SHOW ANSWER)

vcha needs it's own network separate to the management network.

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.avail.doc/GUID-8FD87389-8CC9-4298-8B08-A1526FB44524.html>

NEW QUESTION: 20

An architect is tasked with designing the vSphere cluster layout for a customer. The customer is NOT sure how many clusters are required or the number of hosts to use in any of the clusters.

The customer has provided the following requirements:

- The placement of Linux and Windows machines (end user virtual machines) needs to be controlled for license compliance.
- Access to virtual machines such as Active Directory and DHCP (infrastructure virtual machines) should be restricted to just the platform administration team.
- Infrastructure virtual machines should not prevent end user virtual machines from consuming their allocated resources.
- Utilization for the current infrastructure's virtual machines is less than end user virtual machines.
- The platform needs to provide the ability to lifecycle manage the hosts without impacting end user virtual machines.
- The platform needs to account for the predicted future growth of end user virtual machines being very high, while for infrastructure virtual machines being very low.
- There are a total of 15 physical servers for use across the platform.

Which of the proposed cluster layouts would meet the customer's requirements?

- A. One vSphere cluster of six hosts for Linux virtual machines, one vSphere cluster of six hosts for Windows virtual machines and one vSphere cluster of three hosts for infrastructure virtual machines.

- B. One vSphere cluster of 15 hosts for all virtual machines with resource controls to give higher priority to end user virtual machines.
- C. One vSphere cluster of five hosts for Linux virtual machines, one vSphere cluster of five hosts for Windows virtual machines and one vSphere cluster of five hosts for infrastructure virtual machines.
- D. One vSphere cluster of 12 hosts for Linux and Windows virtual machines and one vSphere cluster of three hosts for infrastructure virtual machines.

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

NEW QUESTION: 21

A customer requires the use of data encryption to ensure data is not accessible when a drive is removed from the primary storage platform. However, there is also a requirement to use deduplication and compression against all workloads in order to conserve space.

Which solution meets the customer requirements?

- A. Data-in-transit encryption
- B. OS-level encryption
- C. Encrypted backups
- D. Array-based encryption

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 22

What does the term "Recoverability" refer to in the AMPRSS framework?

- A. The ability of the system to withstand increased user demands.
- B. Monitoring and managing the system's resources efficiently.
- C. The process of restoring data and services after a failure.
- D. Ensuring that only authorized users can access the system.

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

NEW QUESTION: 23

What do compliance requirements for a vSphere design entail?

- A. Optimizing the system's data storage and retrieval processes.
- B. Specifying the hardware specifications required for the vSphere environment.
- C. Identifying the virtual machines and cores needed for the vSphere environment.
- D. Ensuring that the vSphere system complies with relevant regulations and standards.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 24

An architect is designing a vSphere environment for a customer based on the following information:

- The vSphere cluster will have three hosts only due to budget considerations.

- A database cluster (node majority) consisting of three virtual machines will be running on the vSphere cluster.

Which two recommendations can the architect make so that the customer achieves the highest level of application availability while taking into consideration operational resiliency- (Choose two.)

- A. Create VM-VM anti-affinity rules
- B. Set `das.respectvmvanti-affinityrules` to false
- C. Create VM-Host anti-affinity rules
- D. Disable vSphere HA during maintenance
- E. Set `das.ignoreinsufficienthbdastore` to true

Answer: (SHOW ANSWER)

`das.respectvmvanti-affinityrules`

Determines if vSphere HA enforces VM-VM anti-affinity rules. The default value is "true" and rules are enforced even if vSphere DRS is not enabled. In this case, vSphere HA does not fail over a virtual machine if doing so violates a rule, but it issues an event reporting there are insufficient resources to perform the failover. This option can also be set to "false", whereby the rules are not enforced.

NEW QUESTION: 25

An architect is finalizing the design for a new vSphere platform based on the following information:

- All Windows virtual machines will be hosted on a dedicated cluster for licensing purposes.
- All Linux virtual machines will be hosted on a dedicated cluster for licensing purposes.
- All management virtual machines will be hosted on a dedicated cluster.
- A total of ten physical sites will be used to host virtual machines.
- In the event of one physical datacenter becoming unavailable, the manageability of the virtual infrastructure in the remaining data centers should not be impacted.
- Access to configure the management virtual machines via vCenter Server must be controlled through the management Active Directory domain.
- Access to configure the Windows and Linux virtual machines must be controlled through the resource Active Directory domain.
- The management and resource Active Directory domains are part of separate Active Directory forests and do not have any trusts between them.
- The design will use Active Directory with Integrated Windows Authentication.

How should the architect document the vCenter Server configuration for this design?

- A. Deploy a vCenter Server for the management cluster with a dedicated SSO domain. Deploy a vCenter Server for all remaining clusters and use a dedicated SSO domain into a single physical site.
- B. Deploy a vCenter server for the management cluster. Deploy a vCenter Server for all remaining clusters. Create a shared SSO domain for each physical site.
- C. Deploy a vCenter Server for the management cluster with a dedicated SSO domain. Deploy a vCenter Server for all remaining clusters and use a dedicated SSO domain for each physical site.

D. Deploy a vCenter Server for the management cluster. Deploy a vCenter Server for all remaining clusters. Create a shared SSO domain across all physical sites.

Answer: D (LEAVE A REPLY)

NEW QUESTION: 26

During a requirements gathering workshop, the customer provides the following requirement (REQ) and constraints (CON):

- REQ01: The customer is looking for a way to limit database virtual machine (VM) placement to save on CPU licensing costs.
- CON01: There is a single cluster with no budget to scale.
- CON02: All virtual machines must run on the consolidated cluster.

Which two design decisions should the architect make to meet the customer requirement- (Choose two.)

- A. The solution must use VM-VM anti-affinity rules
- B. The solution must use vSphere DRS in manual mode
- C. The solution must use a vRealize Orchestrator workflow for VM placement
- D. The solution must use VM-Host affinity rules
- E. The solution must use vSphere VM and host DRS groups

Answer: D,E (LEAVE A REPLY)

We want to pin the DB VM's to specific host(s) in the cluster.

<https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.msocs.doc/GUID-1F39CF51-CDA5-40B7-B5AA-8CBA37C65314.html>

NEW QUESTION: 27

During a requirements gathering workshop, the customer's Chief Information Security Office (CISO) provides the following requirements that are pertinent to the design of a new vSphere environment:

- All operating system critical patches must be installed within 24 hours of release.
- All virtual machine templates must be updated every three months in line with company policy.

Which requirement classification is being gathered for the design documentation?

- A. Recoverability
- B. Manageability
- C. Security
- D. Availability

Answer: (SHOW ANSWER)

NEW QUESTION: 28

What are workload design requirements related to?

- A. The tasks and operations the system should perform.
- B. The type and configuration of hardware components.
- C. The network bandwidth and data transfer speeds.

D. The overall performance and responsiveness of the system.

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

NEW QUESTION: 29

What are non-functional requirements in the context of a vSphere design?

- A. The specific tasks and operations the system must perform.
- B. The aspects of the system's behavior and performance, such as security, reliability, and scalability.
- C. The expected levels of system performance and responsiveness.
- D. The physical hardware specifications needed for the vSphere environment.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 30

An architect is tasked with designing a new VMware software-defined data center (SDDC) using VMware vSAN. The architect uses a storage assessment tool to determine the storage requirements for the new vSAN cluster. The new SDDC is going to be deployed into the existing data center and must be connected to a shared core network switch.

The architect decides to use vSAN ReadyNodes with the following configuration:

Two disk groups with:

- Write Intensive NVMe 800 GB drive for cache
- Four 3.84 TB Mixed Use NVMe for capacity
- Four 10 GbE ports

Which element represents a risk that should be included in this design?

- A. The use of NVMe drives for cache and capacity
- B. The existing network is 10 GbE capable
- C. The use of vSAN ReadyNodes
- D. The number of 10 GbE capable ports in the vSAN ReadyNode

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 31

Which type of requirement is "Usability" an example of?

- A. Logical requirement.
- B. Conceptual requirement.
- C. Functional requirement.
- D. Non-functional requirement.

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

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NEW QUESTION: 32

A customer provides the following list of requirements for their vSphere platform:

- REQ01 The solution should utilize dual network connections to eliminate single points of failure.
- REQ02 The solution should allow logs to be retained for a period of 30 days.
- REQ03 All user access to the platform should be recorded for audit purposes.
- REQ04 The solution should allow the management of multiple ESXi hosts.
- REQ05 The solution should allow users to view the remote console of virtual machines.

Which two of the listed requirements would be classified as non-functional requirements?

(Choose two.)

- A. All user access to the platform should be recorded for audit purposes
- B. The solution should allow the management of multiple ESXi hosts
- C. The solution should allow logs to be retained for a period of 30 days
- D. The solution should utilize dual network connections to eliminate single points of failure
- E. The solution should allow users to view the remote console of virtual machines

Answer: C,D ([LEAVE A REPLY](#))

NEW QUESTION: 33

What does a multi-site deployment design involve?

- A. Deploying vCenter Server across multiple data centers in different regions.
- B. Deploying vCenter Server on a single virtual machine across multiple data centers.
- C. Deploying vCenter Server on multiple physical servers for load balancing.
- D. Deploying vCenter Server in a highly available configuration within a single data center.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 34

What is a benefit of using a scale-out method for handling vSphere cluster growth?

- A. An increase in the recovery time objective (RTO) for the cluster
- B. Faster to reach the limit of virtual machines per host
- C. An overall reduction in the license costs for the cluster
- D. Less potential impact to virtual machines during a single host failure

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

<https://docs.vmware.com/en/VMware-Validated-Design/services/vmware-validated-design-sddc-scale-workload.pdf>

NEW QUESTION: 35

As part of a new hybrid cloud initiative for a large financial company, the customer technical team is presenting an overview of the current state of the infrastructure and their vision for a new solution.

The project team captures notes during the presentation and adds them to the discovery documentation.

Which of the listed statements is a design constraint?

- A. The applications are created in-house with in-guest recovery protection
- B. The maximum tolerable data loss is 10 minutes
- C. The two data center locations have a network latency of 8 ms round-trip time (RTT)
- D. The existing storage is out of maintenance

Answer: C (LEAVE A REPLY)

Customer talks about a new Hybrid cloud solution. Therefore, vSAN comes to my mind as a great solution regarding storage and Hybrid cloud.

Based on the following information, network latency of 8 ms RTT will be considered a design constraint.

Data Site to Data Site Network Latency :

Data site to data site network refers to the communication between non-witness sites, in other words, sites that run virtual machines and hold virtual machine data. Latency or RTT (Round Trip Time) between sites hosting virtual machine objects should not be greater than 5msec (< 2.5msec one-way).

<https://core.vmware.com/resource/vsan-stretched-cluster-guide#sec7310-sub3>

NEW QUESTION: 36

What do capacity requirements help determine?

- A. The storage and compute resources needed for the system.
- B. The expected maximum load the system can handle.
- C. The number of system administrators needed to manage the system.
- D. The network bandwidth and data transfer speeds.

Answer: B (LEAVE A REPLY)

NEW QUESTION: 37

An architect is designing a VMware solution for a customer to meet the following requirements:

- The solution must use investments in existing storage array that supports both block and file storage.
- The solution must support the ability to migrate workloads between hosts within a cluster.
- The solution must support resource management priorities.
- The solution must support the ability to connect virtual machines directly to LUNs.
- The solution should use existing 32G fabric infrastructure. There is no budget for additional physical hardware.

Which design decision should the architect make to meet these requirements?

- A. The ESXi hosts will leverage NFS.

- B. The ESXi hosts will leverage iSCSI.
- C. The ESXi hosts will leverage Fibre Channel over Ethernet (FCoE).
- D. The ESXi hosts will leverage Fibre Channel (FC).

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

NEW QUESTION: 38

An organization's data scientists are executing a plan to use machine learning (ML). They must have access to graphical processing unit (GPU) capabilities to execute their computational models when needed. The solutions architect needs to design a solution to ensure that GPUs can be shared by multiple virtual machines.

Which two solutions should the architect recommend to meet these requirements- (Choose two.)

- A. NVIDIA vGPU
- B. AMD MxGPU
- C. vSphere DirectPath I/O
- D. vSGA
- E. vSphere Bitfusion

Answer: ([SHOW ANSWER](#))

<https://blogs.vmware.com/apps/2018/07/using-gpus-with-virtual-machines-on-vsphere-part-1-overview.html>

NEW QUESTION: 39

Which requirement is concerned with the amount of data storage necessary to support the system?

- A. Capacity requirements
- B. SLA requirements
- C. Compute requirements
- D. Workload design requirements

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 40

A customer has six hosts available in a cluster. When running at full capacity, all virtual machines can be run on two hosts.

How many hosts can the customer place into maintenance mode at the same time while still providing N+2 resiliency to the cluster?

- A. One
- B. Two
- C. Three
- D. None

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

NEW QUESTION: 41

An architect is tasked with designing a new VMware software-defined data center (SDDC) using VMware vSAN. The architect uses a storage assessment tool to determine the storage requirements for the new vSAN cluster. The new SDDC is going to be deployed into the existing data center and must be connected to a shared core network switch.

The architect decides to use vSAN ReadyNodes with the following configuration:

- Two disk groups with
- Write Intensive NVMe 800 GB drive for cache
- Four 3.84 TB Mixed Use NVMe for capacity Four 10 GbE ports.

Which element represents a risk that should be included in this design?

- A. The number of 10 GbE capable ports in the vSAN ReadyNode
- B. The existing network is 10 GbE capable
- C. The use of NVMe drives for cache and capacity
- D. The use of vSAN ReadyNodes

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

NEW QUESTION: 42

Which element of a design includes physical server specifications, network configurations, and storage details?

- A. Physical design.
- B. Conceptual design.
- C. Logical design.
- D. Architectural design.

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

NEW QUESTION: 43

Which type of requirement focuses on the processing power and resources needed by the system?

- A. Network requirements
- B. Compute requirements
- C. Performance requirements
- D. Storage requirements

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

NEW QUESTION: 44

Which VMware product offers a software-defined storage solution, providing distributed storage architecture that spans multiple vSphere clusters?

- A. vSAN
- B. VMware Workstation
- C. vSphere Replication
- D. NSX-T

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 45

Which feature enables live migration of a running virtual machine from one ESXi host to another with zero downtime?

- A. vMotion
- B. Storage vMotion
- C. vSphere Fault Tolerance (FT)
- D. vSphere HA

Answer: A (LEAVE A REPLY)

NEW QUESTION: 46

An architect is designing a solution for an environment with two types of resource profiles that must be virtualized. The first type consists of Tier 1 virtual machines that are disk I/O intensive, but do NOT require high CPU or memory. The second type consists of Tier 2 virtual machines that require a lower CPU and memory allocation and have minimal disk I/O.

Which design recommendation should the architect make for distributing the resource profiles?

- A. Separate the two resource profiles into two clusters. The Tier 1 cluster will have fast storage while the Tier 2 cluster will not.
- B. Run both resource profiles on the same cluster with the same host hardware platform.
- C. Separate the two resource profiles into two clusters. The Tier 2 cluster will have faster CPU and more memory while the Tier 1 cluster will have slower CPU and less memory but more disk space.
- D. Run both resource profiles on the same cluster with host hardware that has fast CPU, large amounts of memory, and the fastest storage platform.

Answer: B (LEAVE A REPLY)

Both resource profiles DO NOT require high CPU or memory, only a different level of disk IOPS. We can use vSAN here to apply a storage policy to the the different tier VM's.

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NEW QUESTION: 47

In a vSphere environment, what is the purpose of a virtual switch (vSwitch)?

- A. To create a backup of virtual machine configurations
- B. To enable communication between vCenter Server and ESXi hosts

- C. To manage licensing for virtual machine deployment
- D. To provide connectivity between virtual machines and the physical network

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

NEW QUESTION: 48

During a transformation project kick-off meeting, an architect highlights specific areas on which to focus while developing the new conceptual design.

Which two of the listed statements are business requirements- (Choose two.)

- A. The project should use the existing storage devices within the data center
- B. Sites must support a network latency of less than 12 ms round-trip time (RTT)
- C. The solution must allow data replication between sites
- D. There is no budget specifically assigned for disaster recovery
- E. There must not be a single point of failure for the virtual infrastructure

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

Describes why the system is being transformed, stipulate the business drivers that justify the transformation.

- A >> Constraint
- B >> Requirement
- C >> Justification for the new solution
- D >> Constraint Financial
- E >> Justification for the new solution

NEW QUESTION: 49

During a transformation project kick-off meeting, an architect highlights specific areas on which to focus while developing the new conceptual design.

Which two of the listed statements are business requirements? (Choose two.)

- A. Sites must support a network latency of less than 12 ms round-trip time (RTT)
- B. There must not be a single point of failure for the virtual infrastructure
- C. The project should use the existing storage devices within the data center
- D. The solution must allow data replication between sites
- E. There is no budget specifically assigned for disaster recovery

Answer: B,D ([LEAVE A REPLY](#))

NEW QUESTION: 50

A new vSphere platform is being created. The platform will host virtual machines that will run management services and line-of-business applications.

What should the architect consider when designing the number and type of clusters required?

- A. Predicted platform growth
- B. The level of isolation required between virtual machine classifications
- C. Maximum tolerable downtime
- D. Auditing requirements for the virtual machines

Answer: B (LEAVE A REPLY)

NEW QUESTION: 51

The Chief Information Security Officer (CISO) for an organization is concerned about the security posture of the operating system images that are used for the provisioning of their Software-as-a-Service (SaaS) applications.

The organization is in a growth period. The organization is opening a new data center to launch its next phase of new SaaS-based solutions. The DevOps team currently creates encrypted virtual machine (VM) templates that are used for various operating systems and adds these to the vSphere inventory.

The DevOps team already uses a published content library and has been granted a role with the ability to add and delete library items.

The following requirements have been noted:

- Impacts to the DevOps team's operational processes must be kept to a minimum.
- The DevOps team must be able to regularly check out a copy of the image for updates and check in a new version of the image.
- Images must be synchronized from the primary data center to the new data center.

Which three recommendations should the architect make to design a content library solution that will meet these requirements? (Choose three.)

- A. Create a subscribed library from the published library and synchronize Open Virtualization Format (OVF) templates automatically
- B. Create a subscribed library from the published library and synchronize Open Virtualization Format (OVF) templates on-demand
- C. Update the role for the DevOps team with new privileges
- D. Clone virtual machines as VM templates to the published content library
- E. Clone virtual machines as Open Virtualization Format (OVF) templates to the published content library
- F. Create a subscription and publish VM templates to a subscribed content library

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

NEW QUESTION: 52

During the upgrade process of VMware tools on virtual machines, what is the correct sequence to ensure smooth compatibility?

- A. Upgrade the ESXi hosts first, followed by the virtual machines and then the vCenter Server
- B. Upgrade the vSphere Client first, followed by the ESXi hosts and then the virtual machines
- C. Upgrade the vCenter Server first, followed by the ESXi hosts and then the virtual machines
- D. Upgrade the virtual machines first, followed by the ESXi hosts and then the vCenter Server

Answer: D (LEAVE A REPLY)

NEW QUESTION: 53

Which requirements help determine the amount of data storage needed to store and manage the system's data?

- A. SLA requirements
- B. Workload design requirements
- C. Compute requirements
- D. Capacity requirements

Answer: D (LEAVE A REPLY)

NEW QUESTION: 54

How is the physical and virtual networking topology different in a vSphere environment?

- A. Physical networking refers to the virtual switches and port groups in vSphere, while virtual networking refers to physical switches and routers.
- B. Physical networking refers to the physical network infrastructure, while virtual networking refers to the virtual switches and port groups in vSphere.
- C. Physical networking involves software-defined networking, while virtual networking involves physical network switches and routers.
- D. Physical networking and virtual networking are synonymous terms used interchangeably.

Answer: (SHOW ANSWER)

NEW QUESTION: 55

An architect is designing a new vSphere cluster. The requirement is to provide a total of 96 CPU cores and 1.5 TB RAM across all hosts.

The following information has been provided:

1. Two different physical hardware profiles are available for the ESXi hosts in the cluster.
 - Profile 1: 16 CPU cores and 256 GB RAM
 - Profile 2: 32 CPU cores and 512 GB RAM
2. Profile 2 is twice as expensive to purchase as Profile 1.

Which two aspects should the architect consider when selecting the hardware profile? (Choose two.)

- A. The number of virtual machines that will be running within the cluster
- B. The manufacturer and model of the CPUs in the hosts
- C. The cost to procure and maintain the hardware
- D. The downtime allowed for virtual machines that will be running within the cluster
- E. The amount of capacity available for failover of virtual machines within the cluster

Answer: A,E (LEAVE A REPLY)

NEW QUESTION: 56

What do data protection requirements for a vSphere design focus on?

- A. Ensuring the security of sensitive data stored in the vSphere system.
- B. Specifying the hardware specifications required for the vSphere environment.
- C. Determining the number of virtual machines and cores needed.

D. Identifying the specific tasks and operations the vSphere system should perform.

Answer: A (LEAVE A REPLY)

NEW QUESTION: 57

Following a recent acquisition, the architect learns that both companies use vSphere on-premise and will need to combine the data centers into one. The acquired company's licenses will not be renewed for cost-savings related to the acquisition. All consumed vSphere licenses must have active support to support line-of-business operations. The merged environment must maintain 25% spare capacity. The architect has a small budget remaining unallocated for hardware. The architect has calculated that the current vSphere environment can absorb the acquired company's virtual machines but the cluster will run at 90% memory utilization and at 50% CPU utilization.

Which design decision can the architect make to incorporate the new company's virtual machines into the combined vSphere environment?

A. Migrate the acquired company's virtual machines into the vSphere environment as it will currently fit.

B. Use the current budget to add memory to the cluster to increase each ESXi host's capacity and add the new virtual machines.

C. Purchase extra hosts to add to the cluster in anticipation of adding the acquired company's virtual machines.

D. Purchase new licenses for some of the acquired company's ESXi hosts and add them to the cluster to hold the acquired company's virtual machines.

Answer: B (LEAVE A REPLY)

A wrong because must maintain 25% spare capacity.

C wrong, extra host need new license and new hardware, large budget require D wrong because The acquired company's licenses will not be renewed for cost-savings related to the acquisition.

NEW QUESTION: 58

What is the main purpose of analyzing functional requirements?

A. To optimize the system's performance and responsiveness.

B. To identify the tasks and operations the system must perform.

C. To ensure the system meets the specified SLA levels.

D. To determine the system's hardware and infrastructure needs.

Answer: B (LEAVE A REPLY)

NEW QUESTION: 59

An architect is finalizing the design for a new vCenter Server High Availability deployment.

What is one thing the architect must document in the design?

A. The load balancing algorithm used by the Management Distributed Virtual Switches (DVS)

B. The SSH configuration settings for the vCenter Server's active node

C. The vCenter Management Network IPv4 addresses for the witness node vCenter Server

D. The details of each of the vCenter Server licenses for active, passive and witness nodes

Answer: B (LEAVE A REPLY)

Prerequisites:

Deploy vCenter Server that you want to use as the initial Active node.

The vCenter Server must have a static IP address.

>>> SSH must be enabled on the vCenter Server.

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.avail.doc/GUID-5F7DAFB2-60BD-4C50-A7E5-29A319CBB714.html>

NEW QUESTION: 60

An architect is designing storage for a new vSphere environment to meet the following requirements:

- Asynchronous replication is required between two sites.
- The impact on the storage layer should not impact the performance of the compute layer.
- Each application tier will require different replication attributes.
- Virtual machine live migration across compute and storage must be supported.
- Virtual machine aware back up will be leveraged. Operational management overhead should be minimized.
- Operational automation should be supported.

Which storage design recommendations would meet the requirements?

A. Two new Fibre Channel storage arrays will be deployed, one at either site. Each application tier will be initially provisioned a new LUN. Data replication will be offloaded to the new arrays.

B. Two new storage arrays will be deployed, one at either site. vSphere Volumes (vVOLs) will be used to provide policy-based management for each application tier. Data replication will be offloaded to the new arrays.

C. Two new iSCSI storage arrays will be deployed, one at either site. Each application tier will be initially provisioned a new LUN. Data replication will be offloaded to the new arrays.

D. Two new vSphere clusters enabled with vSAN will be deployed, one at either site. vSAN will be used to provide policy-based management for each application tier. vSphere Replication will be used to replicate the virtual machine data in an asynchronous configuration.

Answer: B (LEAVE A REPLY)

NEW QUESTION: 61

A customer requests a review of its current vSphere platform design.

The following information is noted:

There are three different workload profiles for the virtual machines:

- Tier-1 virtual machines operate resource-intensive applications and require dedicated allocations for CPU and RAM.
- Tier-2 virtual machines operate internet-facing applications and require access to externally facing networks.

- Tier-3 virtual machines operate platform management tools such as vCenter Server and have different lifecycle management requirements.
- Tier-1, Tier-2 and Tier-3 virtual machines are all hosted on a single large vSphere cluster.
- The Chief Information Security Officer (CISO) has raised concerns that hosting externally facing applications alongside management tools does not meet internal compliance standards.
- The Operations team has raised concerns about Tier-1 virtual machines negatively impacting the performance of vCenter Server.
- The Operations lead has stated that management changes have consistently been rejected by application teams.

As a result of the review, which recommendation should the architect make regarding the design of this platform?

- A. Separate Tier-1, Tier-2 and Tier-3 virtual machines using resource pools and shares
- B. Separate Tier-2 virtual machines onto a dedicated cluster
- C. Separate Tier-1, Tier-2 and Tier-3 virtual machines using dedicated distributed virtual switches (DVS)
- D. Separate Tier-1, Tier-2 and Tier-3 virtual machines onto dedicated clusters

Answer: A (LEAVE A REPLY)

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NEW QUESTION: 62

During a requirements gathering workshop, the customer provides the following requirement that is pertinent to the design of a new vSphere environment:

- The Maximum Tolerable Downtime (MTD) for all Tier 1 applications is one hour.

Which requirement classification is being gathered for the design documentation?

- A. Manageability
- B. Performance
- C. Availability
- D. Recoverability

Answer: D (LEAVE A REPLY)

MTD - Maximum Tolerable Downtime: Sum of the RTO and WRT, which is the total time required to recover from a disaster and start serving the business again.

<https://vcdx133.com/2015/01/28/vcdx-availability-explained/>

NEW QUESTION: 63

A Cloud Service Provider wants to introduce backup as a service for a customer's vSphere-based virtual machines.

The following information is noted:

- They have a single four-port (2 × 10 GbE and 2 × 1 GbE) NIC per ESXi host
- All top-of-rack (ToR) switches are 10 GbE and fully populated
- The backup traffic must not impact existing services

Which two recommendations should the architect make to help the customer incorporate the service- (Choose two.)

- A. Enable and tag traffic on the backup distributed port group
- B. Add a new two-port 10 GbE NIC per ESXi host
- C. Replace the existing NIC with a two-port 25 GbE NIC per ESXi host
- D. Match the Class of Service (CoS) and Differentiated Services Code Point (DSCP) values to the physical network
- E. Create a new virtual switch using the 1 GbE uplinks

Answer: (SHOW ANSWER)

Assign priority tags to traffic, such as VoIP and streaming video, that has higher networking requirements for bandwidth, low latency, and so on. You can mark the traffic with a CoS tag in Layer 2 of the network protocol stack or with a DSCP tag in Layer 3.

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.networking.doc/GUID-84207BEA-986E-443E-94B0-B1EC66C56598.html>

NEW QUESTION: 64

An architect has 50 ESXi hosts to deploy and DHCP servers are not allowed on any network. Which automated host deployment method should the architect use?

- A. Scripted installation
- B. Interactive installation
- C. Stateful vSphere Auto Deploy
- D. Stateless vSphere Auto Deploy

Answer: A (LEAVE A REPLY)

NEW QUESTION: 65

The Chief Operating Officer (COO) at an organization raises concerns that their virtual infrastructure environment is vulnerable. Recently, a security-related issue with a virtual machine caused all management services to become unavailable. No budget is available in the short term for additional platform investment. An architect is asked to review the current environment and make recommendations to mitigate concerns.

A virtualization administrator has provided the following details:

- There is a single four node cluster of ESXi servers
- There are two, Layer 2, physical network switches connecting resources

- The data center network is presented as a single /16 subnet

Given the information provided, which functional requirement should the architect include in the design to mitigate the COOs concerns?

- A. The virtual infrastructure environment must connect application virtual machines and management services to new physical network switches
- B. The virtual infrastructure environment must connect application virtual machines and management services to separate distributed virtual switches (DVS)
- C. The virtual infrastructure environment must connect application virtual machines and management services to separate VLANs
- D. The virtual infrastructure environment must connect management services to a vSphere standard switch (VSS)

Answer: C (LEAVE A REPLY)

VLANs let you segment a network into multiple logical broadcast domains at Layer 2 of the network protocol stack.

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.networking.doc/GUID-C42AFA4A-1BDA-4ECC-B2D1-6E538771B2C3.html>

NEW QUESTION: 66

Refer to the exhibit.

During a requirements gathering workshop, the architect shares the following diagram:



What should the architect recommend for guaranteed throughput for each service?

- A. Use explicit failover order with pNIC0 as Active for ESXi Management and VM Network Use explicit failover order with pNIC1 as Active for backup network Use explicit failover order with pNIC2 as Active for vMotion Use explicit failover order with pNIC3 as Active for replication
- B. Use the Route Based on IP Hash for ESXi management and VM network Use the Route Based on IP Hash for backup network Use the Route Based on the Originating Virtual Port for vMotion Use failover with pNIC3 as Active for replication
- C. Create a link aggregation group (LAG) for vDS_01

Use the Route Based on Physical NIC Load for vMotion

Use the Route Based on Physical NIC Load for replication

D. Use the Route Based on IP Hash for ESXi management and VM network

Use failover with pNIC1 as Active for backup network

Create a link aggregation group (LAG) for vDS_02

Answer: A (LEAVE A REPLY)

We must provide guaranteed throughput for each service, not maximum performance. VM network and backup is not a service, only vMotion, replication, management. The problem is that in a VM network and management is together. In this scenario backup and VM network should be together. From the load point of view, it makes sense, as backup can saturate 100% of NIC but it is not service.

NEW QUESTION: 67

After the vSAN iSCSI Target service is enabled, which statement about iSCSI networks is true?

A. A separate VMkernel interface may be configured per target.

B. A single VMkernel interface must be selected for all iSCSI targets.

C. The vSAN iSCSI Target service always uses all Management VMkernel interfaces.

D. The vSAN iSCSI Target service always uses the vMotion network.

Answer: A (LEAVE A REPLY)

When you enable iSCSI target on vSAN, it will ask which vmk to use, and tells you that you can override it per target.

NEW QUESTION: 68

What are assumptions in the context of design?

A. Constraints imposed by industry regulations and standards.

B. Specific tasks and operations the design must perform.

C. Unverified beliefs or presuppositions that guide the design process.

D. Potential risks that could negatively impact the design's success.

Answer: C (LEAVE A REPLY)

NEW QUESTION: 69

An architect is designing a new greenfield environment that will install ESXi on local disks. There is a requirement to streamline initial and future installations of ESXi hosts.

Which configuration option should the architect recommend for installing ESXi hosts to meet these requirements?

A. Installation with kick start script

B. Auto Deploy with stateful install mode

C. Auto Deploy with stateless caching mode

D. Manual installation using boot from SAN

Answer: B (LEAVE A REPLY)

NEW QUESTION: 70

An architect is redesigning a storage environment to provide simplified management of a VMware environment. The administrators have expressed the need to provision storage and apply a custom set of array features granularly to virtual machines. They will re-use their existing shared storage platform as it does support all modern VMware storage integrations.

Which two technologies or features are needed to support the requirements of this project?

(Choose two.)

- A. vStorage APIs for Storage Awareness (VASA)
- B. vSphere Storage DRS
- C. Raw Device Mappings (RDMs)
- D. Datastore Clusters
- E. vSphere Virtual Volumes (vVols)

Answer: A,E ([LEAVE A REPLY](#))

NEW QUESTION: 71

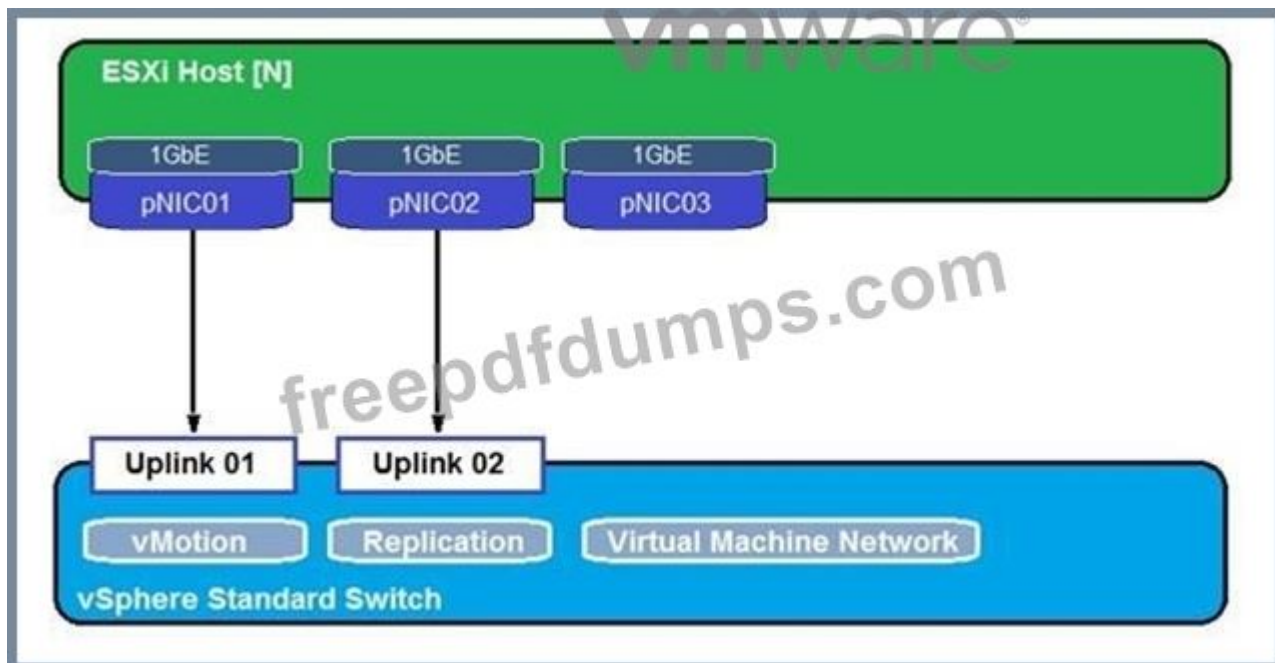
Which two of the listed requirements would be classified as manageability non-functional requirements? (Choose two.)

- A. ESXi host updates must be installed within one week of release
- B. vSphere Fault Tolerance must be supported to improve application uptime
- C. The vSphere environment must support administrator password rotation
- D. ESXi clusters must scale when compute resources are sustained above 70% for five business days
- E. ESXi clusters must scale to 500 concurrent virtual machines

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

NEW QUESTION: 72

Refer to the exhibit. During a requirements gathering workshop, the customer shares the following about their existing ESXi host virtual networking infrastructure:



The customer confirms that:

- Each ESXi host has approximately 200 virtual machines.
- They want to maximize the number of concurrent virtual machine migrations.
- When placing a host in maintenance mode, it takes a long time to evacuate the virtual machines.

Which two recommendations should the architect make in order to help the customer overcome their challenge- (Choose two.)

- Configure the network to use MTU for the VMotion VMKernel to 1,600 bytes
- Configure the network to use MTU for the VMotion VMKernel to 9,000 bytes
- Create an additional standard switch with pNIC3 to use for vMotion
- Use the 3 pNICs and bundle them in a link aggregation group (LAG) configuration
- Use 10 GbE NICs instead of 1 GbE

Answer: B,C (LEAVE A REPLY)

B: Configure the network to use MTU for the VMotion VMKernel to 9,000 bytes Use jumbo frames for best vMotion performance.

C: Create an additional standard switch with pNIC3 to use for vMotion

To distribute and allocate more bandwidth to vMotion traffic across several physical NICs, use multiple-NIC vMotion.

E: is good but its additional cost and they need to procure them.

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vcenterhost.doc/GUID-7DAD15D4-7F41-4913-9F16-567289E22977.html>

NEW QUESTION: 73

Which of the listed requirements would be classified as a recoverability non-functional requirement?

- The platform must be integrated with existing change control policies.
- The platform must be able to support a maximum tolerable downtime (MTD) of 30 minutes.

C. Maintenance windows must be scheduled to take place monthly during an established overnight period.

D. The platform must be available 24 hours a day, 7 days a week with the exception of scheduled downtime.

Answer: B (LEAVE A REPLY)

Recoverability - Easy to restore after an outage

Measurements : MTD, RPO, RTO

NEW QUESTION: 74

How do you determine storage topology needs for a vSphere design?

A. By evaluating the storage architecture options such as SAN, local storage, or Hyper-Converged Infrastructure (HCI).

B. By identifying the number of virtual machines that will use the storage resources.

C. By calculating the network bandwidth needed for data transfer between vSphere hosts.

D. By specifying the amount of storage capacity required for the vSphere environment.

Answer: A (LEAVE A REPLY)

NEW QUESTION: 75

Following a recent acquisition, an architect needs to merge IT assets into its current data center. The combined vSphere environment will need to run the newly acquired company's virtual machines.

Network integration work has already been completed and the current environment has capacity to host all virtual machines. The Operations team needs to identify which virtual machines belong to the acquired company and report on their usage.

How should the architect merge the company's assets and virtual machines?

A. Leave the newly acquired company's assets in its current place

B. Lift and shift the acquired assets into the data center

C. Migrate the acquired company's virtual machines into the existing vSphere environment

D. Migrate and apply vSphere tags to the acquired company's virtual machines

Answer: (SHOW ANSWER)

The Operations team needs to identify which virtual machines belong to the acquired company and report on their usage.

We can use tags to report on usage.

NEW QUESTION: 76

An architect is designing a new VMware solution for a customer that has a number of different resource profiles.

The following are the business requirements for the design:

The solution must support virtual machines with the following storage profiles:

- Write-intensive

- Backup

- Write-Once-Read-Many (WORM) archive

The solution must support migration of virtual machine disks between storage profiles.

The WORM archive data must be located at an isolated secure site.

The backup storage array must only be connected to a backup media server.

All data should be recoverable from backup.

Which design decision should the architect make to meet the business requirements?

A. The solution will leverage a single storage array for the WORM archive and write-intensive storage profiles

B. The solution will leverage the same array for the backup and write-intensive storage profiles

C. The solution will leverage a different array for each storage profile

D. The solution will leverage a single storage array for all storage profiles

Answer: C (LEAVE A REPLY)

The backup storage array must only be connected to a backup media server.

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NEW QUESTION: 77

A customer is deploying a new cluster and wants to be able to patch and update two hosts in parallel. The cluster must be able to maintain N+1 resiliency across the remaining hosts while patching activities are performed. The current expected utilization of the platform requires a minimum of two hosts to support all of the virtual machines.

What is the minimum number of hosts the customer will require in the cluster in order to meet the required resiliency level?

A. Five

B. Six

C. Four

D. Seven

Answer: A (LEAVE A REPLY)

cluster must be able to maintain N+1

current expected utilization of the platform requires a minimum of two hosts to support all of the virtual machines.

So, we need 3 hosts to support N+1.

Customer wants to be able to patch and update two hosts in parallel.

So that means 5 hosts are required.

NEW QUESTION: 78

What is the purpose of a virtual data center design?

- A. To ensure the design meets the required industry regulations and standards.
- B. To determine the hardware and infrastructure requirements for vCenter Server.
- C. To specify the expected levels of system performance and responsiveness.
- D. To create a logical representation of the virtualized data center environment.

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

NEW QUESTION: 79

An architect is designing a new vSphere platform to meet a list of requirements from the security team.

Which two requirements would be classified as non-functional requirements? (Choose two.)

- A. Data integrity must be ensured
- B. A common content library must be maintained across all data centers
- C. Critical events generated within the platform must be logged to an external Syslog service
- D. Migration of virtual machines between hosts must be encrypted
- E. Log information must be verbose to support incident resolution

Answer: (SHOW ANSWER)

NEW QUESTION: 80

An architect is designing a solution based on the following information:

- Each ESXi host has a single physical NIC with two 10 Gbps ports.
- There is a performance-based service-level agreement (SLA) that guarantees 15 Gbps bandwidth for production virtual machines at all times.
- There is no budget to purchase additional hardware.
- The hardware replacement SLA is based on a delivery agreement of two business days.

Which recommendation for the configuration of vSphere High Availability (HA) should the architect include in the design?

A. Configure vSphere HA

Configure % based admission control

Configure two isolation addresses

Consider an OEM with NIC failure conditions in their Proactive HA plugin

B. Configure vSphere HA

Set das.IgnoreRedundantNetWarning to true

Consider an OEM with NIC failure conditions in their Proactive HA plugin

C. Configure vSphere HA

Configure two existing data stores for heartbeat

Consider an OEM with NIC failure conditions in their Proactive HA plugin

D. Configure Proactive HA

Automation Level: Automated

Remediation: Maintenance mode for all failures

Consider an OEM with NIC failure conditions in their Proactive HA plugin

Answer: ([SHOW ANSWER](#))

There is an SLA requirement of VMs needing 15 Gbps Network connectivity at all times. To honor the SLA, VMs need to be migrated to a different host if there is at least one nic failure. It's not necessarily true (option A) that these two NICs are being used to connect to different networks for configuring multiple isolation addresses.

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.avail.doc/GUID-3E3B18CC-8574-46FA-9170-CF549B8E55B8.html>

NEW QUESTION: 81

What is a benefit of using VMware Auto Deploy during the installation and configuration process?

- A. Simplified network configuration for virtual machines
- B. Automatic license activation for vSphere hosts
- C. Rapid provisioning of ESXi hosts with consistent configurations
- D. Enhanced security for vSphere management interfaces

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 82

A customer requires the use of data encryption to ensure data is not accessible when a drive is removed from the primary storage platform. However, there is also a requirement to use deduplication and compression against all workloads in order to conserve space.

Which solution meets the customer requirements?

- A. Data-in-transit encryption
- B. OS-level encryption
- C. Encrypted backups
- D. Array-based encryption

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

Array-based encryption provides the same benefits as SEDs (self-encrypting drives), in that the drive shows no readable data once it is removed from the array. That means drives don't need to be physically destroyed when they are removed, which brings cost, security and environmental benefits.

NEW QUESTION: 83

During a requirements gathering workshop, the customer provides the following information:

- Each host has 2 * 10 GbE NIC
- EtherChannel is not currently configured
- No changes can be made to the physical network
- Network throughput must be prioritized for defined critical services.

Which two recommendations should the architect make with regard to virtual networking?

(Choose two.)

- A. Use Link Aggregation Control Protocol (LACP).
- B. Use Network I/O Control with Reservation.
- C. Use Network I/O Control with Limits.
- D. Use Network I/O Control with Shares.
- E. Use Route Based on Physical NIC Load.

Answer: D,E ([LEAVE A REPLY](#))

NEW QUESTION: 84

During the troubleshooting process, a vSphere administrator identifies that a virtual machine has lost network connectivity.

Which log file should be checked on the ESXi host for network-related issues?

- A. vpxa.log
- B. hostd.log
- C. vmkernel.log
- D. vmware.log

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

NEW QUESTION: 85

What is the primary function of vCenter Server in a vSphere environment?

- A. To provide licensing for vSphere products
- B. To manage and secure the physical network infrastructure
- C. To provide a platform for virtual machine storage
- D. To manage and monitor virtual machines and ESXi hosts

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 86

An architect is assigned to report available capacity of a vSphere platform and is provided with the following:

- Read-only access to the platform's virtualization monitoring tool
- Full access to an internally developed and manually updated Configuration Management Database (CMDB) tool
- Access to a document repository containing the go-live design documentation for each application
- Links to vendor best practice documentation for many of the deployed applications
- Access to the company wide in-guest monitoring tool

Information extracted from which two sources will accurately provide the required information?
(Choose two.)

- A. Virtualization monitoring tools
- B. In-guest monitoring tools
- C. Support organizations Configuration Management Database (CMDB)
- D. Application virtual machine design documents

E. Application vendor best practice documentation

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

NEW QUESTION: 87

How are SLA requirements different from performance requirements?

- A. SLA requirements specify the system's tasks, while performance requirements define the expected levels of system operation.
- B. SLA requirements focus on hardware specifications, while performance requirements focus on data storage.
- C. SLA requirements relate to client agreements, while performance requirements deal with network connectivity.
- D. SLA requirements define expected levels of system performance and availability, while performance requirements focus on specific metrics.

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

NEW QUESTION: 88

The architect for a large enterprise is tasked with reviewing a proposed design created by a service partner.

Which design elements are expected to be detailed within the physical design section of the documentation?

- A. A design diagram illustrating the configuration and specific attributes, such as IP addresses
- B. A list of requirements, constraints, and risks
- C. A solution architecture diagram with the components and data flow
- D. An entity relationship diagram describing upstream and downstream dependencies for specific service components

Answer: ([SHOW ANSWER](#))

The physical design is based on the logical design. The physical design includes specific hardware from specific vendors. This design also lists specific configurations for each of the components that are deployed.

NEW QUESTION: 89

During a requirements gathering workshop, the customer provides the following requirement that is pertinent to the design of a new vSphere environment:

The Maximum Tolerable Downtime (MTD) for all Tier 1 applications is one hour.

Which requirement classification is being gathered for the design documentation?

- A. Manageability
- B. Recoverability
- C. Performance
- D. Availability

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 90

What is the primary focus of "Availability" in the AMPRSS framework?

- A. Preventing unauthorized access and data breaches.
- B. Optimizing the system's performance and responsiveness.
- C. Maximizing the system's uptime and minimizing downtime.
- D. Ensuring data is accurate and consistent across the system.

Answer: C (LEAVE A REPLY)

NEW QUESTION: 91

The storage team at an organization is planning to migrate from an older Fibre Channel storage environment to a new environment using IP-based storage.

Which two switch features or characteristics are appropriate for IP storage networks- (Choose two.)

- A. Fabric extending devices
- B. Spanning Tree Protocol (STP)
- C. 2:1 or greater bandwidth oversubscription for 10 GbE switches
- D. Non-blocking switch
- E. Deep or ultra buffered switches

Answer: (SHOW ANSWER)

<https://www.arista.com/en/solutions/ip-storage-network-infrastructures>

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NEW QUESTION: 92

What is the primary purpose of analyzing non-functional requirements for a vSphere design?

- A. To evaluate aspects such as security, performance, and disaster recovery for the vSphere design.
- B. To determine the hardware specifications and infrastructure needs.
- C. To identify the specific tasks and operations the vSphere system should perform.
- D. To ensure the vSphere system complies with relevant regulations and standards.

Answer: A (LEAVE A REPLY)

NEW QUESTION: 93

The Chief Information Security Officer (CISO) for an organization is concerned about the security posture of the operating system images that are used for the provisioning of their Software-as-a-Service (SaaS) applications. The organization is in a growth period. The organization is opening a new data center to launch its next phase of new SaaS-based solutions.

The DevOps team currently creates encrypted virtual machine (VM) templates that are used for various operating systems and adds these to the vSphere inventory. The DevOps team already uses a published content library and has been granted a role with the ability to add and delete library items.

The following requirements have been noted:

- Impacts to the DevOps team's operational processes must be kept to a minimum.
- The DevOps team must be able to regularly check out a copy of the image for updates and check in a new version of the image.
- Images must be synchronized from the primary data center to the new data center.

Which three recommendations should the architect make to design a content library solution that will meet these requirements- (Choose three.)

- A.** Clone virtual machines as VM templates to the published content library
- B.** Create a subscribed library from the published library and synchronize Open Virtualization Format (OVF) templates on-demand
- C.** Create a subscription and publish VM templates to a subscribed content library
- D.** Create a subscribed library from the published library and synchronize Open Virtualization Format (OVF) templates automatically
- E.** Clone virtual machines as Open Virtualization Format (OVF) templates to the published content library
- F.** Update the role for the DevOps team with new privileges

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

Content Library in vSphere 7 has a few new privileges that are important to bring up as well as a few existing ones that should be considered. Please refer to the chart below for more details.

https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vm_admin.doc/GUID-254B2CE8-20A8-43F0-90E8-3F6776C2C896.html

https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vm_admin.doc/GUID-0F4D55EF-B45C-43D6-8C8F-580D8B4B5009.html

https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vm_admin.doc/GUID-D547C49A-5BCE-4FC9-9BEA-CB2C88DC629C.html

<https://blogs.vmware.com/vsphere/2020/04/vsphere-7-content-library.html>

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