Exam Questions 3V0-21.21

Advanced Design VMware vSphere 7.x

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NEW QUESTION 1
Which requirement would be classified as a functional requirement within the design documentation?

A. The system must perform virtual machine backups through an API.
B. Virtual machines must be patched within one month of the patch release date.
C. Virtual machines must be restarted within 30 minutes of a host failure.
D. The system must be able to scale to support 500 concurrent virtual machines.

Answer: C

NEW QUESTION 2
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: BEF

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

Answer: C

NEW QUESTION 4
An architect is designing a VMware solution for a customer based on the following information:

> 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 IPv4 based network infrastructure.

> There is no budget for additional physical hardware.
Which two design decisions could the architect make to meet these requirements? (Choose two.)

A. The ESXi hosts will leverage Fibre Channel (FC)
B. The ESXi hosts will leverage NFS 3
C. The ESXi hosts will leverage Fibre Channel over Ethernet (FCoE)
D. The ESXi hosts will leverage iSCSI
E. The ESXi hosts will leverage NFS 4.1

Answer: BD

Explanation:
https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.storage.doc/GUID-8A929FE4-1207-4C Starting from vSphere 7.0, VMware no longer supports software FCoE in production environments.

https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.storage.doc/GUID-6B49866F-7005-40

NEW QUESTION 5
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. The environment has an availability target of 99.5% for all infrastructure
B. The recovery time objective (RTO) for Tier 1 virtual machines is one hour
C. Access to the management cluster within the environment must be controlled
D. Windows and Linux virtual machines must reside on separate clusters

Answer: D

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

NEW QUESTION 7
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

NEW QUESTION 8
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

NEW QUESTION 9
An architect is designing a new vSphere environment to meet the following requirements:

> The environment must support 5,000 virtual machines.

> The environment will be built initially using 350 hosts.
Which vCenter Server appliance deployment size should the architect specify for the design?

A. Large
B. Small
C. Tiny
D. Medium

Answer: A

Explanation:
https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vcenter.install.doc/GUID-077C7523-E0EA-492

NEW QUESTION 10
An architect makes the design decision to install ESXi on embedded and resilient 8 GB SD cards. What is the impact of this design decision?

A. Host profiles must be used for this kind of installation
B. Scratch partition would need to be created on the external storage
C. The size of the SD cards is too small and the installation will fail
D. The vSphere Auto Deploy feature must be enabled on vCenter Server

Answer: B

Explanation:
https://kb.vmware.com/s/article/2074026 You can store coredumps on the SD boot media, but refrain from configuring the scratch partition here as the logs are write intensive and can cause the SD card to fail faster resulting in re-installation of ESXi

NEW QUESTION 10
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. Migration of virtual machines between hosts must be encrypted
B. Log information must be verbose to support incident resolution
C. Critical events generated within the platform must be logged to an external Syslog service
D. Data integrity must be ensured
E. A common content library must be maintained across all data centers

Answer: CD

NEW QUESTION 13
Refer to the exhibit.
During a requirements gathering workshop, the architect shares the following diagram:
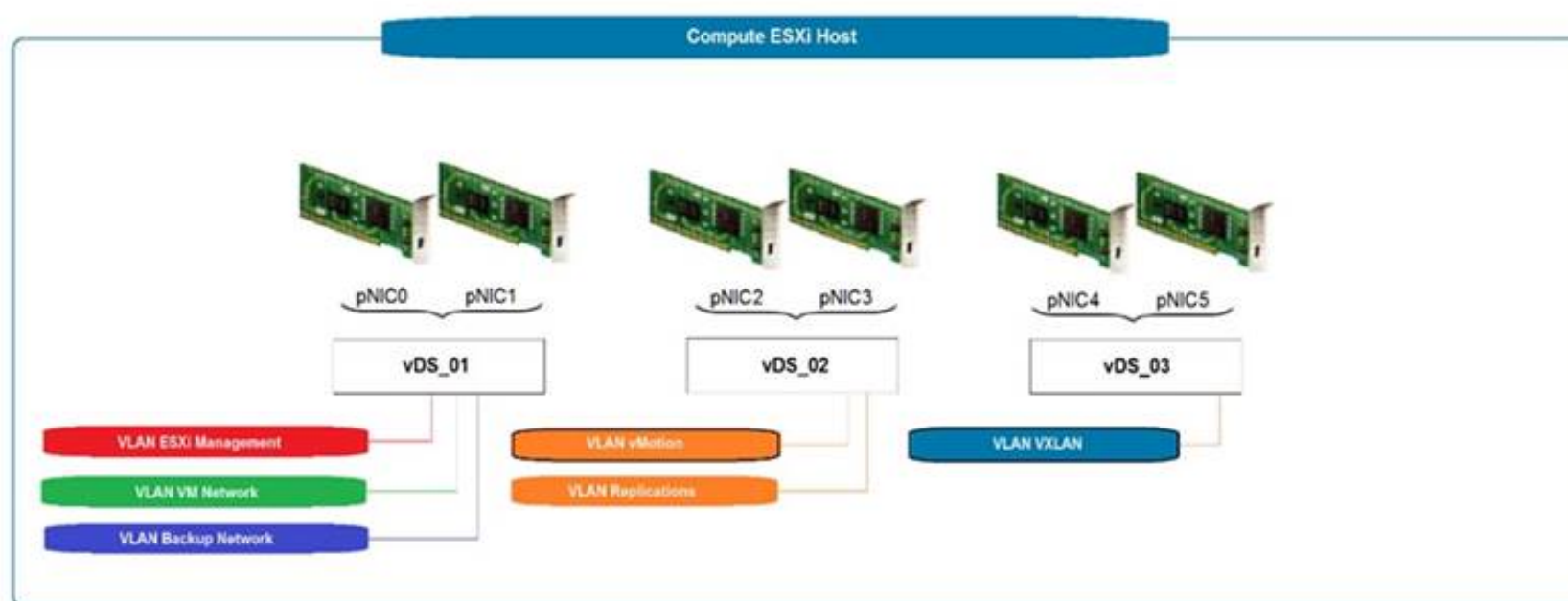
What should the architect recommend for guaranteed throughput for each service?

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 networkUse 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 networkUse 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_01Use 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 networkCreate a link aggregation group (LAG) for vDS_02

Answer: A

NEW QUESTION 16
An architect is designing a new backup solution for a vSphere platform that has been recently upgraded to vSphere 7.
The architect wants the backup solution to perform the following:
- Full virtual machine image backup and restore
- Incremental virtual machine image backup and restore
- File level backup and restore within both Windows and Linux virtual machines
- LAN-free backup

Which functional requirement should the architect include in the design of the new backup solution?

A. The backup solution must leverage the VMware Consolidated Backup (VCB) framework.
B. The backup solution must leverage virtual machine snapshots.
C. The backup solution must leverage VMware vSphere Storage APIs - Data Protection.
D. The backup solution must leverage VMware vStorage APIs for Data Protection (VADP).

Answer: C

NEW QUESTION 19
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 support the concurrent running of 1,000 virtual machines

≫ The production environment must be delivered across two geographically dispersed data centers All virtual machines must be capable of running in either data center.

≫ The two data centers are currently connected to each other through a single but diversely routed, high bandwidth and low latency link.

≫ The link between the two data centers is capable of supporting a round-trip time (RTT) of 150 ms The existing server hardware standard document states that all virtual infrastructure hosts must be deployed using vSAN ReadyNodes

≫ The service owner has stated that it is critical to ensure the availability target of 99.9% All virtual machine backups must be completed using the existing backup service

≫ The recovery time objective (RTO) for the service is five minutes

≫ The recovery point objective (RPO) of the service is four hours
Which two elements represent risks to the successful delivery of this solution? (Choose two.)

A. The use of only two data centers
B. The network connectivity between data center sites
C. The use of vSAN ReadyNodes
D. The RTT on the link between the two data centers
E. The use of the existing backup service

Answer: DE

NEW QUESTION 21
An architect is designing a new greenfield environment with 600 ESXi hosts in an automated fashion. The engineering department already has a PXE Boot server, TFTP server, and DHCP server set up with an NFS mount for their current Linux servers.
The architect must be able to demonstrate and meet a security requirement to have all infrastructure processes separated.
Which recommendation should the architect make for the ESXi host deployment?

A. Request an isolated network segment to use and dedicate it to Auto Deploy functions
B. Ask the business to expand the engineering environment to service the virtual environment as well
C. Request a common shared network with flexible security measures to accommodate different auto deployment options
D. Deploy each ESXi host individually and document it to satisfy security requirements

Answer: A

Explanation:
https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.esxi.install.doc/GUID-8DAC6FEE-0441-4072

NEW QUESTION 25
An architect is designing an environment for a retail customer. The design will use a single small vCenter Server Appliance and a cluster of eight ESXi hosts at a remote site. There is a single 10 GbE connected network at the remote site to support all management services. It is not possible to create additional management networks at the remote site. Virtual machine backups at the site will be dependent on the vCenter Server being available.
Which design decision should the architect make to maximize availability for backups?

A. vCenter Server High Availability will be configured.
B. The vCenter Server Appliance will be protected with vSphere Fault Tolerance.
C. The cluster will be configured to use vSphere DRS in fully automated mode.
D. The cluster will be configured with vSphere HA and set to restart virtual machines based on guest operating system heartbeat monitoring.

Answer: C

NEW QUESTION 30
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: B

NEW QUESTION 33
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.Deploy a vCenter Server for all remaining cluster
B. Create a shared SSO domain for each physical site.
C. Deploy a vCenter Server for the management cluster.Deploy a vCenter Server for all remaining cluster
D. Create a shared SSO domain across all physical sites.
E. 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.
F. 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.

Answer: B

NEW QUESTION 34
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 Fibre Channel (FC).
B. The ESXi hosts will leverage iSCSI.
C. The ESXi hosts will leverage Fibre Channel over Ethernet (FCoE).
D. The ESXi hosts will leverage NFS.

Answer: A

NEW QUESTION 39
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 Route Based on Physical NIC Load.
B. Use Network I/O Control with Shares.
C. Use Network I/O Control with Reservation.
D. Use Link Aggregation Control Protocol (LACP).
E. Use Network I/O Control with Limits.

Answer: AD

NEW QUESTION 43
An architect is considering placement of virtual machines within an existing VMware software-defined data center (SDDC).
During the discovery phase, the following information is documented: Cluster One

≫ Six ESXi hosts

≫ vSphere HA with host failures cluster tolerates = 1

≫ Proactive HA is enabled and set to automated

≫ Fully Automated vSphere DRS

≫ Transparent Page Sharing (TPS) is enabled Cluster Two

≫ Eight ESXi hosts

≫ vSphere HA with host failures cluster tolerates = 1

≫ Proactive HA is disabled

≫ Partially Automated vSphere DRS

≫ Transparent Page Sharing (TPS) is disabled Cluster Three

≫ Three ESXi hosts

≫ vSphere HA with admission control is disabled

≫ Proactive HA is not supported

≫ Transparent Page Sharing (TPS) is disabled Virtual Machine Resource Profile 1

≫ Memory sharing techniques should not be used

≫ Automated initial virtual machine placement
Virtual Machine Resource Profile 2

≫ Memory sharing techniques should not be used

≫ Virtual machines should be automatically restarted in the event of host failure regardless of available resources

≫ Automated initial virtual machine placement
Which two recommendations should the architect make for placement of the virtual machines to meet resource profile requirements? (Choose two.)

A. All virtual machines matching Virtual Machine Resource Profile 2 should be placed on Cluster One.
B. All virtual machines matching Virtual Machine Resource Profile 1 should be placed on Cluster One.
C. All virtual machines matching Virtual Machine Resource Profile 2 should be placed on Cluster Two.
D. All virtual machines matching Virtual Machine Resource Profile 1 should be placed on Cluster Two.
E. All virtual machines matching Virtual Machine Resource Profile 2 should be placed on Cluster Three.

Answer: DE

Explanation:
https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.resmgmt.doc/GUID-FEAC3A43-C57E

NEW QUESTION 48
An architect is designing a new VMware software-defined data center (SDDC) that will consist of 100 branch sites connected to a single VMware vCenter Server within the primary data center. To allow for the use of existing automation scripts, there is a requirement to replicate the names of the virtual distributed port groups across all sites. The procurement team purchases licensing and there is no further budget allocated.
Which design decision should the architect make to meet this requirement?

A. A new vCenter Server will be deployed for each branch site
B. A new host and cluster folder will be created for each branch site
C. The automation script will be updated to reflect unique naming for each site
D. A new virtual data center will be created for each branch site

Answer: B

NEW QUESTION 51
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: B

NEW QUESTION 52
An architect is creating a network design for a new vSphere environment.
Based on customer requirements, the environment must support the following types of traffic:
- Management
- vMotion
- vSAN
- Fault Tolerance
- Virtual machine traffic, which cannot be impacted by other types of traffic
Which design recommendation can the architect make for a resilient infrastructure with vSphere network service tiering?

A. Use different logical networks to ensure traffic is isolated with separate VLANs
B. Use Network I/O Control and ensure appropriate share value is defined for different types of traffic giving priority to the virtual machines traffic
C. Use two dedicated virtual switches with a single adapter each, dedicating one virtual switch for Management, vMotion, vSAN and Fault Tolerance traffic, and the second one for virtual machine traffic
D. Use a NIC teaming policy based on the physical NIC load

Answer: A

NEW QUESTION 54
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

NEW QUESTION 55

Refer to the exhibit.
During a requirements gathering workshop, the customer shares the following diagram regarding their availability service-level agreements (SLAs):
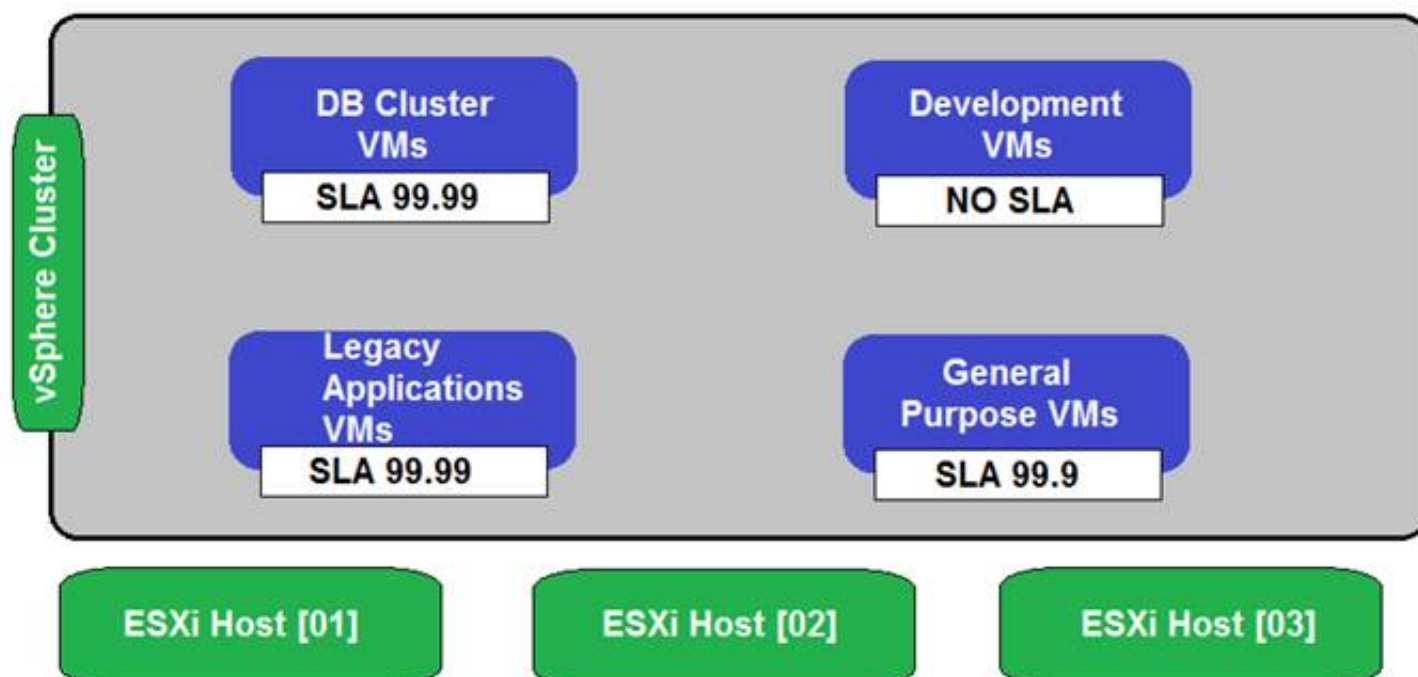
The customer wants database application level availability to always take precedence. What should the architect recommend to meet the customer's requirement?

A. Enable vSphere HA and add a VM Override with VM Restart Priority set to Highest.
B. Enable Fault Tolerance.
C. Enable Sphere HA and maintain the default settings.
D. Enable vSphere HA and add a VM Override with VM Restart Priority set to Lowest.

Answer: D

NEW QUESTION 59
During a requirements gathering workshop to design a physical to virtual migration, the customer provides the following information:
> There is no physical firewall in the data center with no anticipated plans for a future network refresh.
> Leveraging the virtual infrastructure to mitigate the lack of network security must be addressed in the design.
> All physical servers to be migrated exist on the same VLAN.
Which recommendation should the architect make to address the customer requirement with regard to virtual networking?

A. Split the virtual machines into several VLANs Use tag actions
B. Create port groups with different names and same VLAN IDs Enable traffic shaping for ingress and egress traffic
C. Enable traffic filtering and marking Use allow or drop actions
D. Disable traffic filtering and marking Use tag actions

Answer: A

NEW QUESTION 64
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. Use Microsoft Windows Server as the guest operating system.
B. Configure the chrony time-sync agent on each virtual machine guest operating system.
C. Set the virtual hardware device to use Host System Time (NTP) for each virtual machine running the application.
D. Add a precision clock virtual device to each virtual machine running the application.
E. Use a Linux distribution as the guest operating system.
F. Add a virtual watchdog timer (VWDT) device to each virtual machine running the application.

Answer: ABC

NEW QUESTION 68
Which of the listed requirements would be classified as a recoverability non-functional requirement?

A. The platform must be integrated with existing change control policies.
B. 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: A

NEW QUESTION 72
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.
- It must leverage the existing build team processes.

What should the architect recommend to meet the requirements?

A. 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.
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 cente
C. Configure the content library to download content automatically.
D. 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 environmen
E. Configure the content library to download content when needed.
F. 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 environmen
G. Configure the content library todownload content automatically.

Answer: B

NEW QUESTION 77
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 a recovery time objective of 30 minutes
B. The vSphere platform must be able to provide a minimum throughput of 400 MB/s
C. The vSphere platform must be able to provide N+1 redundancy
D. The vSphere platform must be able to provide a maximum read latency of 15 ms
E. The vSphere platform must be able to provide a service-level agreement (SLA) of 99,9%

Answer: BD

NEW QUESTION 78
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. Maximum tolerable downtime
B. Predicted platform growth
C. Auditing requirements for the virtual machines
D. The level of isolation required between virtual machine classifications

Answer: D

NEW QUESTION 81
An architect is designing a VMware software-defined data center (SDDC) solution based on the following customer requirements:

- The solution must initially support 1,000 virtual machines
- The solution must scale to support the concurrent running of up to 5,000 virtual machines
- The production environment should be delivered across two data centers
- The solution should have a maximum tolerable downtime (MTD) of four hours
- The solution should have a monthly service availability target of 99.8%

Which two assumptions could the architect make based on the information from the customer to help size the solution? (Choose two.)

A. The number of vSphere hosts in a cluster
B. The average resource utilization of a virtual machine
C. The size (CPU/RAM/storage) of the average virtual machine
D. The guest operating system for each virtual machine
E. The size (CPU/RAM/storage) of the vSphere hosts

Answer: AE

NEW QUESTION 86
Which two statements are true about gathering functional business and application requirements? (Choose two.)

A. It focuses on functional requirements with C-level stakeholders
B. It leverages a single set of QUESTION NO:s for all stakeholders
C. It might require multiple rounds of stakeholder interviews
D. It builds stakeholder consensus
E. It is a non-iterative process

Answer: AC

NEW QUESTION 88
A VMware Service Provider is tasked with delivering a solution for continuous availability for a subset of Tier 1 virtual machines (VMs) and vApps running in their vSAN environment. The VMs make up a

mission-critical application and there can be no data loss in the event of an outage at their primary data center. In the event of a regional outage, they have established a 10-minute recovery point objective (RPO). Failover/failback to the third site must be automated.
They have the following in place:

➢ Two local data centers (primary and secondary) connected with 100 Gb dedicated fiber

➢ 2ms round-trip time (RTT) latency between the sites A third data center located on another power grid

➢ 70ms latency between the primary and secondary data centers

➢ Matching storage arrays at all locations

Which two solutions could be used to meet the requirements? (Choose two.)

A. Site Recovery Manager
B. Snapshots
C. vSAN Metro Cluster
D. vSphere Data Protection
E. vStorage APIs for Array Integration (VAAI)

Answer: BC

NEW QUESTION 89
As part of a requirements gathering workshop, the customer provides the following requirements for the design of a new greenfield virtual infrastructure:

➢ Some applications have a latency that must be less than 5 minutes.

➢ The solution must be able to support a workload growth rate of 10% per year. Which requirement classification is being gathered for the design documentation?

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

Answer: A

NEW QUESTION 92
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