VMware

Exam Questions 3V0-21.23

VMware vSphere 8.x Advanced Design

NEW QUESTION 1
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 2
An architect is designing a vSphere environment for a customer and learns that the customer has:
➢ A single vSphere cluster
➢ Two storage arrays with different RAID capabilities
Which two design decisions should the architect make to maximize data availability and data performance for this customer? (Choose two.)

A. Use Storage DRS.
B. Use VMDK anti-affinity rules.
C. Use multiple datastores for heartbeat.
D. Use a minimum of three storage arrays.
E. Use VM to host DRS rules.

Answer: AC

NEW QUESTION 3
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 4
An architect is designing a new vSphere platform for a customer to meet the following requirements:
➢ The platform must be deployed into five physically separate sites.
➢ The sites are spread across multiple regions.
➢ Some sites require more than one vCenter Server.
➢ The platform must provide an administrator with the ability to access virtual infrastructure components across all sites from a single management tool instance.
Which single sign-on (SSO) design recommendation will meet these requirements?

A. Use an SSO domain across all vCenter Server instances
B. Use an SSO domain per region
C. Use an SSO domain per vCenter Server instance
D. Use an SSO domain per site

Answer: C

NEW QUESTION 5
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 6
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 7
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 stateless caching mode
C. Manual installation using boot from SAN
D. Auto Deploy with stateful install mode

Answer: D

NEW QUESTION 8
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: A

Explanation:
This is lifecycle management function. The requirement is system critical patches, not system security patches.

NEW QUESTION 9
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
Following a company merger, there are two data centers running vSphere environments. Both data centers are leveraging separate Layer 3 vMotion networks.
Which requirement must be met in order to enable vMotion migration between these locations?

A. The vMotion service must be configured on the Management VMkernel adapter
B. A dedicated TCP/IP stack for vMotion with a dedicated gateway must be configured
C. A stretched vMotion network must be configured between data centers
D. Virtual machines must be powered off in order to migrate them between data centers

Answer: B

NEW QUESTION 10
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 15
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 16
Refer to the exhibit.
During a requirements gathering workshop, a customer shares the following diagram regarding their availability service-level agreements (SLAs):
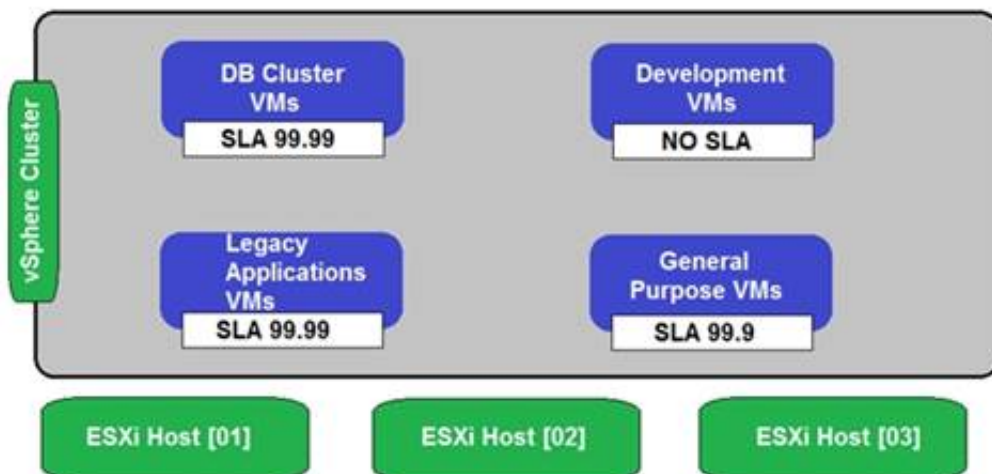
The customer states that there is no application level availability for legacy applications.
Which recommendation could the architect make to meet the customer's high availability requirements for the legacy applications virtual machines?

A. Enable vSphere HA and add a VM Override with VM Restart Priority set to Disabled
B. Enable Fault Tolerance
C. Achieve application availability with snapshots
D. Enable vSphere HA and add a VM Override with VM Restart Priority set to Lowest

Answer: D

NEW QUESTION 20
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

Explanation:
15 restore VMs + 60 restore and test DB + 15 test app server + 15 test web server

NEW QUESTION 22
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 LU
B. Data replication will be offloaded to the new arrays.
C. Two new vSphere clusters enabled with vSAN will be deployed, one at either sit
D. 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.
E. Two new ISCSI storage arrays will be deployed, one at either site.Each application tier will be initially provisioned a new LU
F. Data replication will be offloaded to the new arrays.
G. 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 tie
H. Data replication will be offloaded to the new arrays.

Answer: B

NEW QUESTION 25
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
- Virtual machines should be automatically restarted in the event of host failure if resources are available
- Automated initial virtual machine placement

Virtual Machine Resource Profile 2
- Memory sharing techniques can be used
- Virtual machines should be protected from any host hardware failures
- 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: BD

NEW QUESTION 26
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 27
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 31
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: C

NEW QUESTION 35
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 cluster
B. The Tier 1 cluster will have fast storage while the Tier 2 cluster will not.
C. Run both resource profiles on the same cluster with the same host hardware platform.
D. Separate the two resource profiles into two cluster
E. 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.
F. 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: D

NEW QUESTION 38
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. The solution should utilize dual network connections to eliminate single points of failure
B. The solution should allow the management of multiple ESXi hosts
C. The solution should allow users to view the remote console of virtual machines

D. All user access to the platform should be recorded for audit purposes
E. The solution should allow logs to be retained for a period of 30 days

Answer: AE

NEW QUESTION 41
A architect is designing a new VMware software-designed data center (SDDC) using vSphere 7 to meet the following requirements:

> The SDDC must be deployed at two locations: primary and secondary.
> vSphere Replication must be used to replicate virtual machines between the two locations.
> Site Recovery Manager must be used to orchestrate disaster recovery (DR) activities.
> One single-sign on (SSO) domain must be used to authenticate access at both locations. Which design decision should the architect make to meet these requirements?

A. A vCenter Server Appliance will be deployed to each sit
B. Unique SSO domains will be created per site.
C. A vCenter Server will be installed on Windows virtual machines deployed to both sites.
D. A vCenter Server Appliance will be deployed to each site.
E. A vCenter Server Appliance will be deployed to the primary site only.

Answer: D

NEW QUESTION 42
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: D

NEW QUESTION 46
An architect is tasked with recommending a solution for a company that is running out of VLANs. Currently the company is running two separate data centers based on vSphere including an Enterprise Plus license. In the first data center, the problem was solved by using VMware NSX and overlay network. In the second data center, there is currently no VMware NSX implementation in place and no budget for additional licenses.
What should the architect recommend as a potential solution to provide support for additional VLANs?

A. Separate Distributed Virtual Switches (DVS)
B. Private VLANs (PVLAN)
C. Virtual Guest Tagging (VGT)
D. vSwitch VLAN Tagging (VST)

Answer: A

NEW QUESTION 48
Which requirement would be classified as a functional requirement within the application design documentation?

A. The application must be hosted with redundancy levels of N+1 or better.
B. Penetration testing must be executed quarterly with a pass rate of 80% or higher.
C. The application must be capable of handling 200 transactions per second.
D. Administrators must monitor the network traffic of the desired systems.

Answer: C

NEW QUESTION 49
A customer has a database cluster with 40/60 read/write ratio and a high IOPs requirement with no contention on an all-flash vSAN cluster.
Which two storage settings should be configured for best performance? (Choose two.)

A. IOPs limits enabled
B. RAID 1
C. Deduplication and Compression disabled
D. RAID 5/6
E. Deduplication and Compression enabled

Answer: AB

NEW QUESTION 51
There is a request for approved virtual machine applications through a new vSphere platform's integrated automation portal. The platform was built following all provided company security guidelines and has been assessed against Sarbanes-Oxley Act of 2002 (SOX) regulations.
The platform has the following characteristics:

> vRealize Operations is being used to monitor all clusters.
> There is a dedicated ESXi cluster, supporting all management services.

- All network traffic is via distributed virtual switches (DVS). There is a dedicated ESXi cluster for all line-of-business applications.
- Network traffic is serviced by NSX-T.
There is a dedicated ESXi cluster for virtual desktop infrastructure (VDI).
- Network traffic is serviced by NSX-T.
The application owner is requesting approval to install a new service that must be protected as per the Payment Card Industry (PCI) Data Security Standard.
Which additional non-functional requirement should the architect include in the design to support the new service?

A. The vSphere hosting platform and all PCI application virtual machines must be assessed against Payment Card Industry (PCI) Data Security Standard compliance.
B. The vSphere hosting platform and all PCI application virtual machines must be assessed for SOX compliance.
C. The vSphere hosting platform and all PCI application virtual machine network traffic must be routed via NSX-T.
D. The vSphere hosting platform and all PCI application virtual machines must be monitored using the vRealize Operations Compliance Pack for Payment Card Industry.

Answer: A

NEW QUESTION 55
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 56
An architect is preparing a design for a customer. Based on requirements, the architect recommends an HCI- based infrastructure with all-flash architecture.
During the assessment, it is confirmed that the network throughput generated by virtual machines does not exceed 150 Mb/s.
What is the minimum number and type of network adapters in each server that the architect can recommend to ensure requirements are met and there is no single point of failure?

A. Two 1 GbE network adapters per server
B. Four 1 GbE network adapters per server
C. Four 10 GbE network adapters per server
D. Two 10 GbE network adapters per server

Answer: C

NEW QUESTION 59
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:
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
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 manufacturer and model of the CPUs in the hosts
B. The amount of capacity available for failover of virtual machines within the cluster
C. The downtime allowed for virtual machines that will be running within the cluster
D. The cost to procure and maintain the hardware
E. The number of virtual machines that will be running within the cluster

Answer: BE

NEW QUESTION 62
An architect is tasked with reviewing the design of a VMware software-defined data center (SDDC) for a software development company. The platform is used to developing applications and services. It is important that the customer be able to accurately benchmark performance of developed applications.
The platform has recently commissioned new hosts to update the development cluster. The development cluster host configuration is:
- 4 ESXi hosts with 2 sockets × 16 cores
- 512 GB RAM divided evenly between sockets
- There is no resource contention
The benchmarking cluster host configuration is:
- 8 ESXi hosts with 2 sockets × 8 cores
- 256 GB RAM divided evenly between sockets
- There is no resource contention

The customer is developing an application that includes a database virtual machine. The application developer states that the database virtual machine performs as required only when allocated 8 vCPUs 256 GB RAM. The database virtual machine performance meets the required levels when run from the development cluster. Performance benchmarking for the database virtual machine yields highly variable results when run from the benchmarking cluster. The application cannot be released without reliable performance benchmarking data.
What is a possible reason for the difference in performance test results between the development and benchmarking clusters?

A. The database tier breaches a single NUMA node boundary for the benchmarking cluster
B. The database tier breaches a single NUMA node boundary for the development cluster
C. The development cluster can support a lower %Ready time per vCPU
D. The development cluster has more available RAM per host

Answer: C

NEW QUESTION 67
A customer defines a requirement to minimize the vMotion migration time during a maintenance period. The servers being used are equipped with eight 1 GbE network adapters.
Per the defined logical network configuration, there are two network adapters each used for:
> Management traffic
> vMotion traffic
> iSCSI traffic
> Virtual machine traffic
Which design decision should the architect make to meet the customer requirement?

A. Use Network I/O Control to define a reservation for vMotion traffic.
B. Implement Multi-NIC vMotion by adding additional vMotion VMkernels.
C. Configure a dedicated TCP/IP stack for vMotion traffic.
D. Combine vMotion and Management traffic to make use of four adapters.

Answer: A

NEW QUESTION 68
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.respectvmvmantiaffinityrules to false
C. Create VM-Host anti-affinity rules
D. Disable vSphere HA during maintenance
E. Set das.ignoreinsufficienthbdatastore to true

Answer: BC

NEW QUESTION 73
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 74
Which two of the listed requirements would be classified as manageability non-functional requirements? (Choose two.)

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

Answer: AC

NEW QUESTION 79
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 80
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. Two
B. Three
C. One
D. None

Answer: A

NEW QUESTION 84
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

NEW QUESTION 86
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 90
Application owners require support of a Microsoft Windows Server Failover Cluster (WSFC).
Their current environment consists of the following components:
> vSphere 7.0 and vSAN 7.0
> External array supporting NFS 3.0/4.1, Server Message Block (SMB) 2.1
> 10 GbE storage connectivity for all devices
The solution architect is tasked with coming up with a solution to meet this requirement while utilizing their existing investments.
Which two recommendations could the architect make? (Choose two.)

A. Use vSAN native support for WSFC
B. Use NFS 4.1 shares for quorum and shared disk
C. Use raw device mapping (RDM)
D. Use the SMB 2.1 protocol for sharing disks
E. Run WSFC on vSAN iSCSI Target Service

Answer: AE

Explanation:
https://blogs.vmware.com/virtualblocks/2018/04/18/vsan-6-7-introducing-wsfc-support-vsan

NEW QUESTION 92
An architect is designing a new vSphere environment with the following resources:
> 600 vCPU
> 5,760 GB RAM

Average resource usage is:
> 60 vCPU
> 1,152 GB RAM

The design must meet the following requirements:
> The environment has the ability to burst by 25%.
> Each host can schedule 36 vCPUs and has 512 GB RAM.
> Management overhead is 20%.

What is the minimum number of hosts required to meet the design requirements?

A. Three
B. Five
C. Four
D. Two

Answer: D

NEW QUESTION 94

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

Answer: C

NEW QUESTION 99

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 100

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 101
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