# VMware

## Exam Questions 3V0-21.21

Advanced Design VMware vSphere 7.x

**NEW QUESTION 1**
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:** D

**NEW QUESTION 2**
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 3**
An organization's existing vSphere environments are configured for Enhanced Linked Mode. The DevOps team automates the creation of hardened virtual machine images for various operating systems. Their continuous integration/continuous delivery (CI/CD) pipeline runs a task at the end of a successful build, which uploads the Open Virtualization Format (OV) image to a sandbox content library, deploys a virtual machine from the image, and then destroys these objects after quality checks are complete.
The following requirements have been noted:

> All content libraries and images must be centrally created and managed.

> All images must be capable of being updated.

> All images must be refreshed and available to subscribed libraries within 24 hours.

> All images must provide details of the image contents and versions.

> All images must be capable of being reverted to a previous version.

> All images must be capable of having the hardware and guest operating system customized during deployment.
Which three recommendations should the architect make to design a content library solution that will meet these requirements? (Choose three.)

A. Create a local content library in the primary vSphere environment and enable publishing.
B. Create and publish a new subscription to a new subscriber library for each target vSphere environment.
C. Deploy the OVF images to vSphere and clone as an OVF template to a local content library.
D. Deploy the OVF images to vSphere and clone as a VM template to a local content library.
E. Edit the Auto Sync Refresh Interval advanced setting for each subscribed library.
F. Add a new subscriber library from each vSphere environment.

**Answer:** ACF

**NEW QUESTION 4**
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:** CE

**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 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 7**
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 8**
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 9**
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**
During a requirements gathering workshop, the customer provides the following requirement:
> A new vSphere platform must be designed securely and all interfaces must be protected against potential snooping.
How should this non-functional security requirement be documented?

A. Interfaces must be audited.
B. Encrypted channels must be used for all communications.
C. Unauthorized access to interfaces must be reported within 15 minutes.
D. Communications must be through Private VLANs (PVLAN).

**Answer:** A


**NEW QUESTION 10**
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:** A

**Explanation:**
https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.avail.doc/GUID-8FD87389-8CC9-429


**NEW QUESTION 13**
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:** D


**NEW QUESTION 16**
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 20**
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 22**
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 24**
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 25**
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 30**
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 31**
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 32**
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:** DE

**Explanation:**
https://www.arista.com/en/solutions/ip-storage-network-infrastructures


**NEW QUESTION 37**
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 39**
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 41**
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 HAConfigure % based admission control Configure two isolation addresses Consider an OEM with NIC failure conditions in their Proactive HA plugin
B. Configure vSphere HASet das.IgnoreRedundantNetWarning to trueConsider an OEM with NIC failure conditions in their Proactive HA plugin
C. Configure vSphere HAConfigure two existing data stores for heartbeatConsider an OEM with NIC failure conditions in their Proactive HA plugin
D. Configure Proactive HA Automation Level: Automated Remediation: Maintenance mode for all failuresConsider an OEM with NIC failure conditions in their Proactive HA plugin

**Answer:** A

**NEW QUESTION 42**
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

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**NEW QUESTION 46**
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?
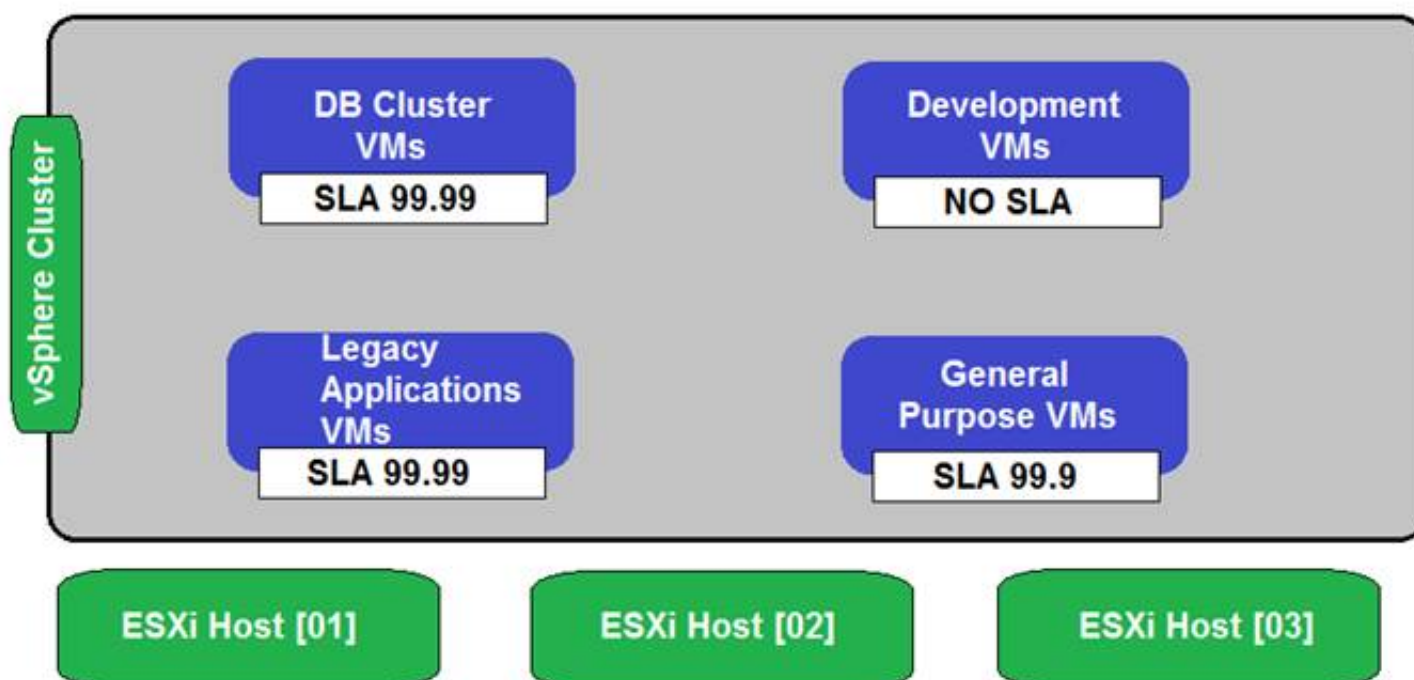
A. Two 1 GbE network adapters per server
B. Four 1 GbE network adapters per server
C. Four 10 GbE network adapters per server
D. Two 10 GbE network adapters per server

**Answer:** C

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**NEW QUESTION 49**
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

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**NEW QUESTION 51**
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 56**
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:** AE

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

**NEW QUESTION 58**
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 63**
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 65**
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 66**
An architect is tasked with expanding an existing VMware software-defined data center (SDDC) solution so that it can be used to deliver a virtual desktop infrastructure (VDI) service off-shore development activities.
The production environment is currently delivered across two geographically dispersed data centers. The two data centers are currently connected to each other through multiple diversely routed, high bandwidth and low latency links. The current operations management components are deployed to a dedicated management cluster that is configured with N+1 redundancy. The current VMware software-defined data center (SDDC) has a monthly availability target of 99.5%, which includes all management components.

The customer requires that the new solution scale to support the concurrent running of 500 persistent virtual desktops. The virtual desktops must not share the same virtual infrastructure as existing virtual machines, but can be managed using the same VMware operations management components. Any new VDI service management components must be installed into the management cluster. There is no requirement to back up the virtual desktops because all relevant user data is stored centrally. The VDI service is providing business critical services and must have an availability target of 99.9%.
Given the information from the customer, which two assumptions would the architect include in the design? (Choose two.)

A. The existing virtual infrastructure has sufficient capacity to host the new VDI workloads
B. The existing operations monitoring tools have sufficient capacity to monitor the new VDI services
C. The existing management cluster has enough available capacity to host any VDI service management component
D. The management cluster has N+1 redundancy
E. The VDI service has a higher service-level agreement (SLA) than the operations management SLA

**Answer:** BD


**NEW QUESTION 71**
An architect is reviewing a physical storage design. The customer has specified that a new active-passive based storage array will be used to provide storage for the vSphere clusters.
Which configuration should for the architect recommended?

A. VMW_SATP_LOCAL
B. VMW_PSP_MRU
C. VMW_SATP_DEFAULT_AA
D. VMW_PSP_FIXED

**Answer:** B


**NEW QUESTION 74**
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 76**
An architect is planning the physical server configuration for a vSAN-based infrastructure.
Which operations mode should a RAID controller support to minimize potential server downtime during physical disk failures?

A. RAID controller with Passthru mode
B. RAID controller with RAID 5 mode
C. RAID controller with RAID 10 mode
D. RAID controller with RAID 6 mode

**Answer:** D


**NEW QUESTION 78**
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 82**
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