

# 3V0-21.21<sup>Q&As</sup>

Advanced Design VMware vSphere 7.x

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### QUESTION 1

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

Correct Answer: A

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### QUESTION 2

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

Correct Answer: D

Reference: <https://docs.vmware.com/en/VMware-vSphere/7.0/vsan-702-planning-deployment-guide.pdf>

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### QUESTION 3

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

Correct Answer: B

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#### QUESTION 4

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.

Correct Answer: A

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#### QUESTION 5

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.

Correct Answer: ABC

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