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Advanced Design VMware vSphere 7.x

VMware 3V0-21.21

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QUESTION NO: 1

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: C D

QUESTION NO: 2

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 (OVF) 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:

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: A B D

QUESTION NO: 3

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

Which storage design recommendations would meet the requirements?

- A.** Two new Fibre Channel storage arrays will be deployed, one at either site. Each application tier will be initially provisioned a new LUN. Data replication will be offloaded to the new arrays.
- B.** Two new vSphere clusters enabled with vSAN will be deployed, one at either site. vSAN will be used to provide policy-based management for each application tier. vSphere Replication will be used to replicate the virtual machine data in an asynchronous configuration.
- C.** Two new iSCSI storage arrays will be deployed, one at either site.

Each application tier will be initially provisioned a new LUN. Data replication will be offloaded to the new arrays.

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

ANSWER: D

QUESTION NO: 4

An architect is tasked with designing a new VMware software-defined data center (SDDC) solution for an online retail customer who has a primary and secondary data center as well as 10 distribution hubs.

The customer has provided the following business requirements to help inform the design:

Given the information from the customer, which assumption should the architect include in the design?

- A.** All business application virtual machines can be deployed into a single cluster within the primary data center.
- B.** Each distribution hub should be configured with a backup device.
- C.** The wide area network has sufficient bandwidth to support centralized management.
- D.** Each cluster will have a minimum of four hosts.

ANSWER: C

QUESTION NO: 5

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**QUESTION NO: 6**

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: A D

QUESTION NO: 7

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

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: A E**QUESTION NO: 8**

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**QUESTION NO: 9**

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

Which vCenter Server appliance deployment size should the architect specify for the design?

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

ANSWER: A

QUESTION NO: 10

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

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: A B