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Advanced Design VMware vSphere 7.x

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QUESTION 1

An architect is tasked with planning the design of a new vSphere environment. When commissioned, this environment will be used to migrate an existing set of virtual machines.

An inventory of the existing infrastructure, including configured vCPU, RAM and storage sizes has been provided.

In order for each virtual machine to be migrated, which two data sources with peak and average utilization data are required for sizing? (Choose two.)

A. %Ready

B. Disk Write latency

C. CPU

D. Ballooned memory

E. IOPS

Correct Answer: BE

QUESTION 2

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

Correct Answer: AB

QUESTION 3

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

Correct Answer: D

QUESTION 4

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.

Correct Answer: C

QUESTION 5

An architect is finalizing the design for a new vCenter Server High Availability deployment.

What is one thing the architect must document in the design?

A. The load balancing algorithm used by the Management Distributed Virtual Switches (DVS)

B. The SSH configuration settings for the vCenter Server\\'s active node

C. The vCenter Management Network IPv4 addresses for the witness node vCenter Server

D. The details of each of the vCenter Server licenses for active, passive and witness nodes

Correct Answer: A

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