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VMware Certified Advanced Professional 6.5 – Data Center
Virtualization Design Exam

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QUESTION 1

A solution architect has been tasked with designing a new environment that meets the growing needs of a company, and has obtained this information:

1.
Each new server will use a single 2-port 10Gb Converged Network Adapter (CNA) for both network and storage access.
2.
The network team has replaced all network equipment with a 10Gb fabric.
3.
The new environment will host both web servers and Oracle database servers.
4.
Resources will not be overcommitted under regular operations to mitigate performance issues.
5.
The business needs a tool to understand application failures.
6.
\$1million has been budgeted for the data center expansion project.

Based this information, which two statements are requirements for the new design? (Choose two.)

- A. An Enterprise monitoring solution must be in place for Root Cause Analysis.
- B. The Oracle team will ensure sufficient database performance at the application level.
- C. vSphere provides the ability to overcommit resources without performance issues.
- D. vCPU count must be equal or less than the physical CPU core count unless there is a failure.

Correct Answer: AC

QUESTION 2

A company is in the process of deploying a modern video news-streaming application.

1.
The application is capable of scaling (expanding and collapsing) its streaming nodes in the form of virtual machines, based on demand.
- 2.

To host the application, the company decided to implement a new VMware cluster with vSphere 6.5.

3.

The company wants to understand Network-Aware DRS and its ability to enhance the streaming application performance. How can Network-Aware DRS help in this scenario?

- A. Network-Aware DRS is a new low-level feature that will work in the background with very limited visibility to the administrator.
- B. Network-Aware DRS will only make sure that the host has sufficient network resources along with compute resources required by the virtual machine.
- C. Network-Aware DRS will display the host network load distribution under the Manage Tab in the vSphere Web Client.
- D. Network-Aware DRS will balance network load the same way as it manages the CPU and memory load.

Correct Answer: D

QUESTION 3

A company is implementing a new cluster to support its end user desktop workloads.

1.

The workload is required to support 200 virtual machines.

2.

Each end-user desktop is configured with two vCPUs, 8GB of RAM, and 40GB of thick-provisioned disk space.

3.

The architect has expressed concerns that virtual machine swap files will fill the 8.5TB datastore available to the cluster.

Which two strategies would address the architect's concern? (Choose two.)

- A. Configure an additional datastore for snapshot storage
- B. Configure an additional datastore for vswap file storage
- C. Configure each virtual machine with a 4GB memory reservation.
- D. Configure each virtual machine with a 8GB memory reservation.

Correct Answer: BD

vSwap storage will ensure that the production (VM) datastore won't fill up (suspending the VM's) and the memory reservation should ensure no swap is even used (essentially 100% reservation of the VM memory).

QUESTION 4

A virtualization administrator has been tasked with migrating several business applications from physical to virtual. The administrator must also migrate the virtual machines from VMware Workstation to vSphere 6.5, using vCenter Converter Standalone 6.1.

In this scenario, when two source types are supported? (Choose two.)

- A. powered-off Windows Server 2008 physical machine
- B. powered-on Windows Server 2000 Workstation virtual machine
- C. powered-off Windows Server 2008 Workstation virtual machine
- D. powered-on Windows Server 2008 physical machine

Correct Answer: CD

QUESTION 5

A company is a leading provider for an online travel booking system with over a \$1,000,000 turnover each day. The company wants to leverage VMware cloud solutions to consolidate, scale, and ensure high availability for all of its data centers.

Match each business requirement to its appropriate design concept.

Select and Place:

Business Requirement	Design Concept
Architecture must support data center-level resiliency.	Performance
Design should require less than 5 minutes to restore after failure.	Recoverability
WAN link between the data centers must be private.	Security
Data centers should be administered by a centralized console	Manageability
Infrastructure must be properly provisioned to ensure application response time	Availability

Correct Answer:

Business Requierement	Design Concept
	Architecture must support data center-level resiliency.
	Design should require less than 5 minutes to restore after failure.
	WAN link between the data centers must be private.
	Data centers should be admini-stered by a centralized console
	Infrastructure must be properly pro-vised to ensure application response time

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