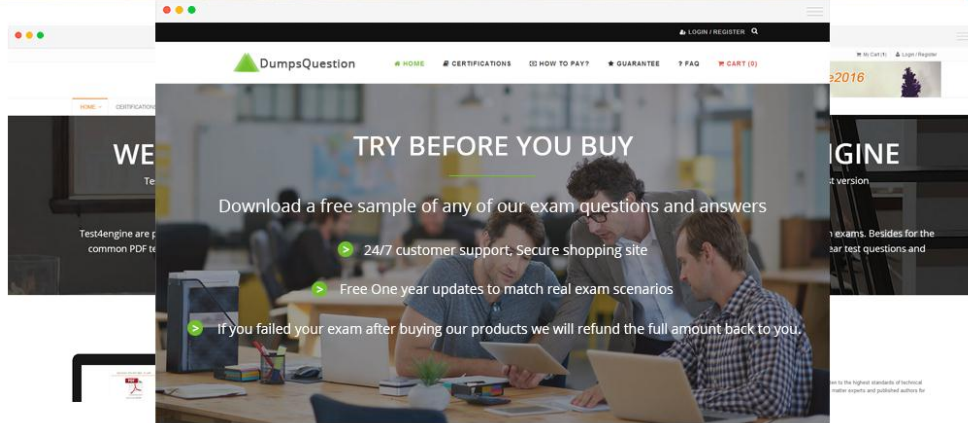


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Exam : **VCAP5-DCD**

Title : VMware Certified Advanced
Professional 5 - Data Center
Design (VCAP5-DCD)

Vendor : VMware

Version : DEMO

NO.1 You are working on a virtual guest design for the deployment of a critical business application. The software vendor has provided you with some projected workloads.

One of the project requirements is to ensure that business application performance is guaranteed. Which of the following would be the best approach for guest configuration?

- A. Configure the virtual guest with a reservation, as specified, as the minimum requirement for the application to run.
- B. Configure the virtual guest with a reservation, as specified, as the projected initial workload requirement.

Answer: B

Explanation:

Allocated resources are shown in the guest operating system and are not guaranteed. The amount depends on the unreserved resources available at the time. Assuming no functionality issues, you can configure a production application to be guaranteed its projected workload, and the system should deliver. Without a reservation, there is potential for a performance impact if there is contention.

NO.2 Auto Deploy can be used with _____.

- A. The VCSA only
- B. the Windows version of the vCenter only
- C. both versions of the vCenter

Answer: C

Explanation:

The Auto Deploy feature is an excellent design choice for managing a mass installation of ESXi. The vCenter is required for implementation; however, the requirement is independent of vCenter version.

NO.3 Which of the following is an advantage of a scaled-out architecture?

- A. Fewer larger hosts means less hardware.
- B. Larger servers come with more bells and whistles, like completely redundant hardware.
- C. Smaller hosts translate to less time needed to recover using HA.
- D. Larger servers are cheaper.

Answer: C

Explanation:

In a scaled-out architecture, the cluster is configured with many smaller hosts rather than fewer large hosts. Because of this, when an ESXi host crashes in a scaled-out cluster, you lose a smaller percentage of your cluster, which translates to fewer virtual machines crashing, which translates to faster recovery times.

NO.4 You are reviewing a VMware vSphere 5 cluster design. The system is designed to run DPM in fully automated mode. DPM in fully automated mode ____ evacuate all templates when placed into standby mode.

- A. will
- B. will not

Answer: B

Explanation:

DPM will not move powered-off virtual machines or templates. A real-life workaround is to turn off fully automated DRS for these machines on a case-by-case basis and register them to a specific host in the cluster for deployment usage. Chapter 4, Management/Platform Design

NO.5 Storage tiering involves _____.

- A. priority locations to migrate virtual machines
- B. grouping storage to be used first
- C. categorizing storage by the size of the LUNs
- D. categorizing storage based on performance to meet SLAs

Answer: D

Explanation:

Storage tiering categorizes LUNs by the performance they can provide to enable architects to place workloads on the appropriate storage tiers to ensure that the workloads are within the SLA standards.

NO.6 A software vendor-provided best practice should be adhered to _____. (Choose two)

- A. where possible, respecting other project requirements
- B. at all times because the vendor wrote and designed the software
- C. in the absence of other requirements as a guide to configuration

Answer: A,C

Explanation:

A best practice is based on experience with delivering a solution. A new product will have limited best-practice information except for vendor- or vendor-partner-based recommendations. The longer a technology is used in a community, the more potential success; therefore, best practices may change over time. Chapter 6, Validation, Thoughts, and Processes

NO.7 Which VMware tools driver is the balloon driver?

- A. VMMEMCTL
- B. VSS
- C. VLance
- D. None of the above

Answer: A

Explanation:

VMMEMCTL is the balloon driver. It is installed on any virtual machine that has VMware tools installed.

NO.8 A vApp can be created with its own resource settings and requirements.

- A. True
- B. False

Answer: A

Explanation:

A vApp is a logical container of guest virtual machine objects. The use of a container provides the ability to use key management functionality, which can dramatically help a virtualized platform.

Automation allows lots of VMs to be managed by fewer staff. A vApp can have resource allocations applied at the vApp level, outside the resource pool configuration.

NO.9 The recovery time objective is the point in time to which a system needs to be restored following a failure.

- A. True
- B. False

Answer: B

Explanation:

The recovery time objective (RTO)-also known as the return to operation-is the amount of time it takes to restore a service after a failure has taken place.

NO.10 Which of the following factors should influence the decision of whether to virtualize an application? (Choose three)

- A. Whether it is supported on a virtualization platform
- B. Licensing costs in a virtualization platform
- C. Compliance considerations (such as inability to share infrastructure due to regulations)
- D. Whether the software is custom and has not be widely virtualized in the field

Answer: A,B,C

Explanation:

Good design should meet the project requirements and consider the properties of assumed platform design. Protecting data requires that a system be available and manageable, that it have good performance, and that it be easy to recover and be secure.

NO.11 VMware fault tolerance requires a cluster-aware application within the guest workload.

- A. True
- B. False

Answer: B

Explanation:

VMware fault tolerance, subject to its requirements, can add redundancy without affecting the application configuration. The guest workload can be a single-instance item.

NO.12 The vCenter database is powered off ungracefully, along with a three cluster nodes in a separate cluster. Will the failed existing ESXi host nodes restart correctly using Auto Deploy?

- A. Yes
- B. No

Answer: A

Explanation:

Auto Deploy enables an untrained IT professional to increase capacity while ensuring quality and consistency within a cluster. However, there is a dependency on the vCenter server and Auto Deploy server roles at different times. In this case, the ESXi hosts have already booted successfully. This means that all subsequent reboots will be controlled using configuration from the Auto Deploy server, not vCenter. If the vCenter database is impacted, the ESXi hosts will automatically restore. Even in the event of no vCenter availability, hosts will use the last-known copy of a distributed

switch or the configured vSphere switch. Chapter X, Putting it all together

NO.13 A best practice can change over time.

- A. True
- B. False

Answer: A

Explanation:

A best practice is based on experience with delivering a solution. A new product will have limited best-practice information except for vendor- or vendor-partner-based recommendations. The longer a technology is used in a community, the more potential success; therefore, best practices can change over time. Chapter 6, Validation, Thoughts, and Processes

NO.14 Which of the following is an advantage of a scaled-up architecture?

- A. Fewer Larger hosts means less hardware to manage
- B. Smaller hosts mean more DRS options
- C. Smaller hosts translate to less time needed to recover using HA
- D. Smaller servers are cheaper.

Answer: A

Explanation:

In a scaled-up architecture, Fewer servers are needed because each server can handle more virtual machines than what a typical scaled-out server can handle. So the cluster will require fewer servers.

NO.15 A design choice guided by a best practice does not need to be justified.

- A. True
- B. False

Answer: B

Explanation:

You should always be sure to include your justifications and selection criteria in your logical design documents. These justifications are useful when you explain your approach during design and milestone meetings, and they ensure that you are aware of the impact of the technical approach and the components of the platform or solution you are building.