



3V0-624^{Q&As}

VMware Certified Advanced Professional 6.5 – Data Center
Virtualization Design Exam

Pass VMware 3V0-624 Exam with 100% Guarantee

Free Download Real Questions & Answers **PDF** and **VCE** file from:

<https://www.geekcert.com/3v0-624.html>

100% Passing Guarantee
100% Money Back Assurance

Following Questions and Answers are all new published by VMware
Official Exam Center

- ⚙️ **Instant Download** After Purchase
- ⚙️ **100% Money Back** Guarantee
- ⚙️ **365 Days** Free Update
- ⚙️ **800,000+** Satisfied Customers





QUESTION 1

A database administrator is operating a virtual machine (VM) configured with 16 vCPU and 64GB of RAM. A recent performance audit has indicated that this virtual machine is oversized and is using less than 60% of its configured CPU and memory capacity.

1.
The ESXi host that contains this VM has 2 physical processors with 10 cores per processor, and 128GB of RAM.

2.
This physical host's architecture is split into two equal NUMA nodes.

Which vCPU and RAM configuration for the VM allows for the most resources, but also provides the performance benefit of local NUMA access?

- A. 16 vCPU and 32GB RAM
- B. 4 vCPU and 16GB RAM
- C. 10 vCPU and 64GB RAM
- D. 12 vCPU and 64GB RAM

Correct Answer: C

$128/20=6.4*10=64$ (10vCPU and 64GB)

<http://www.techspresso.com/vm-sizing-best-practices-in-vmware/>

<https://blogs.vmware.com/performance/2017/03/virtual-machine-vcpu-and-vnuma-rightsizing-rules-of-thumb.html>

"When a vNUMA topology is calculated, it only considers the compute dimension. It does not take into account the amount of memory configured to the virtual machine, or the amount of memory available within each pNUMA node when a

topology is calculated. So, this needs to be accounted for manually.

Example:

An ESXi host has 2 pSockets, each with 10 Cores per Socket, and has 128GB RAM per pNUMA node, totaling 256GB per host.

If you create a virtual machine with 128GB of RAM and 1 Socket x 8 Cores per Socket, vSphere will create a single vNUMA node. The virtual machine will fit into a single pNUMA node.

If you create a virtual machine with 192GB RAM and 1 Socket x 8 Cores per Socket, vSphere will still only create a single vNUMA node even though the requirements of the virtual machine will cross 2 pNUMA nodes resulting in remote

memory access. This is because only the compute dimension is considered.

The optimal configuration for this virtual machine would be 2 Sockets x 4 Cores per Socket, for which vSphere will create 2 vNUMA nodes and distribute 96GB of RAM to each of them."



QUESTION 2

A company is implementing a new vSphere 6.5 environment in order to virtualize one of its business-critical applications.

1.

The existing data center equipment is over five years old and the operating system for most of the virtual machines will be end-of-life next quarter.

2.

The database servers are physical and are also over 5 years old.

3.

The 12 current application virtual machines are configured with two vCPUs, 16GB of memory, and 60GB of storage each.

4.

The database administrator states that the 16 existing database servers are quad socket systems with 64 logical processors, 256GB of memory, and a total of 230TB of storage in use.

5.

The system administrator insists that the new virtual machines must be the same size.

In this scenario, which option is a non-functional application requirement?

A. The operating system must also be upgraded.

B. The storage array must have more than 230TB of high-performance storage.

C. The ESXi hosts must have 64+ logical processors and 1TB of memory.

D. The application virtual machines must be configured with two vCPUs, 16GB of memory, and 60GB of storage.

Correct Answer: D

QUESTION 3

In order to provide a critical service, a customer needs four virtual machines (VMs), each with 55GB memory reservation.

1.

This service must NOT experience an outage due to host hardware failures or host maintenance.

2.

The customer has ESXi hosts with 256GB of RAM each and, for business reasons, must run this service in a new ESXi host cluster.



Which VMware-recommended solution meets the stated requirements?

A. * Create an ESXi host cluster with 3 ESXi hosts.

* Enable HA and DRS on the ESXi host cluster.

B. * Create an ESXi host cluster with 2 ESXi hosts.

* Enable HA and DRS on the ESXi host cluster.

C. * Enable Fault Tolerance for the 4 VMs.

* Create an ESXi host cluster with 2 ESXi hosts.

D. * Enable HA and DRS on the ESXi host cluster.

E. * Enable Fault Tolerance for the 4 VMs.

*

Create an ESXi host cluster with 3 ESXi hosts.

*

Enable HA and DRS on the ESXi host cluster.

Correct Answer: A

QUESTION 4

A customer wants to upgrade the vSphere hosts in its development cluster to version 6.5.

1.

These hosts all utilize a vSphere 6.0 vSphere Distributed Switch (vDS)

2.

Due to hardware limitations, some of the hosts in the cluster must stay on version 6.0

Which procedure is supported while allowing the virtual machines to migrate between the two host versions?

A. Upgrade all the VMs to Virtual Machine Hardware v13

B. Upgrade to the Network I/O control v3

C. Upgrade all the VMs to VMware Tools version 10.1

D. Upgrade the vSphere Distributed Switch to 6.5

Correct Answer: C

QUESTION 5



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

[3V0-624 VCE Dumps](#)

[3V0-624 Practice Test](#)

[3V0-624 Exam Questions](#)