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An administrator is installing a Platform Services Controller Instance.
Which two options are available during the installation process? (Choose two.)

- A. choose deployment size
- B. specify vSphere administrator credentials
- C. enable Enhanced Linked Mode
- D. create a vCenter Single sign-on domain
- E. join an existing domain

Suggested Answer: *DE*

Reference:

<https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.install.doc/GUID-AD3C6884-C1CC-4A2A-A373-1BA240C44C38.html>

  **connecttozee** 4 years, 7 months ago

agree default answer


upvoted 3 times

A vSphere Administrator has multiple virtual machines running on a VMFS datastore.

Which option prioritizes the disk access for the virtual machines?

- A. Disk Shares
- B. Disk Mode
- C. Disk Type
- D. Hard Disk

Suggested Answer: A

  **DrBigJackson** 4 years, 3 months ago

<https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.html.hostclient.doc/GUID-3AB5A86D-5AFF-4A18-A758-08A529C7A9F9.html><https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.html.hostclient.doc/GUID-3AB5A86D-5AFF-4A18-A758-08A529C7A9F9.html>

upvoted 1 times

An administrator has an environment with these conditions and requirements:

- ⇒ The host provides 6GHz of CPU and 32GB of memory
- ⇒ The host is shared between the Marketing and QA departments
- ⇒ The QA department needs a higher compute resource priority

How can the administrator meet the conditions and requirements?

- A. Adjust NIOC or SIOC as appropriate to give the QA department a higher compute priority within the cluster.
- B. Create a resource pool for each department and use the Shares attribute to prioritize the allocation of resource.
- C. Assign affinity or anti-affinity rules to the appropriate VMs for each department.
- D. Set the VM priority to high for QA department VMs and normal for Marketing department VMs.

Suggested Answer: B

Reference:

<https://pubs.vmware.com/vsphere-51/index.jsp?topic=%2Fcom.vmware.vsphere.resmgmt.doc%2FGUID-3BD591CC-F685-4843-A46E-836B33E91B3E.html>

  **riversquare** 4 years, 6 months ago

B is correct Answer.

D is not correct because there is no setting called as Priority.

<https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.resmgmt.doc/GUID-0F6C6709-A5DA-4D38-BE08-6CB1002DD13D.html>

upvoted 1 times

What is a benefit of using resource pools?

- A. Increased visibility of user activity
- B. Increased vMotion efficiency for a set of VMs
- C. Increased accuracy for proactive resources for a set of VMs
- D. Increased ease of reserving resources for a set of VMs

Suggested Answer: *D*

 **DrBigJackson** 4 years, 3 months ago

<https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.resmgmt.doc/GUID-AA95D1D1-55C0-419D-9E1A-C523C138CC65.html#:~:text=Resource%20pools%20allow%20you%20to,or%20cluster%20and%20configure%20them.>

upvoted 1 times

This error is generated when a vSphere administrator takes a VM snapshot:
An error occurred while taking a snapshot: Failed to quiesce the virtual machine
What should the administrator investigate to determine the cause of the failure?

- A. Check if the virtual machine is already running on snapshots.
- B. Check if the virtual machine is in suspended state.
- C. Check if VMware Tools is installed on virtual machine.
- D. Check if the virtual machine has an ISO mounted.

Suggested Answer: C

  **DrBigJackson** 4 years, 4 months ago

Resolution:

To resolve this issue, install VMware Tools in the virtual machine.

<https://kb.vmware.com/s/article/2105842>

upvoted 1 times

A vSphere administrator is working in a high security environment. The administrator wants to ensure unencrypted VMs can be migrated securely.

What should the vSphere administrator use to meet this requirement?

- A. vTPM
- B. UEFI Secure Boot
- C. KMS Server
- D. encrypted vSphere vMotion

Suggested Answer: *D*

Reference:

<https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.security.doc/GUID-6865D84A-C286-49C4-A4D4-D62145150242.html>

 **DrBigJackson** 4 years, 3 months ago

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.vcenterhost.doc/GUID-6865D84A-C286-49C4-A4D4-D62145150242.html>

upvoted 1 times

Which two tasks are allowed in the X-Lence data center? (Choose two.)

The screenshot shows a vCenter console view of the X-Lence Datacenter. The hierarchy is as follows:

- vcenter.vclass.local
 - X-Lence Datacenter (Group 1: Administrator propagate to children)
 - AX-Test VMs
 - AX-1000
 - AX-850
 - Database VMs (Group 2: Read-Only)
 - XRK-01 (Group 2: Read-Only)
 - XRK-02
 - XRK-03

Below the console view, two boxes show the members of the groups:

- Members of Group1: User A, User B
- Members of Group2: User A, User C

- A. User C can convert AX-850 to VM.
- B. User B can delete from disk XRK-01.
- C. User A can take a snapshot on XRK-01.
- D. User A can take a snapshot on AX-1000.
- E. User C can view configuration of AX-1000.

Suggested Answer: *BD*

riversquare 4 years, 6 months ago

Correct.

upvoted 1 times

What are two components of a VM-Host affinity rule? (Choose two.)

- A. Host Group
- B. Cluster settings
- C. VM restart priority
- D. VM restart action
- E. VM Group

Suggested Answer: *AE*

Reference:

<https://pubs.vmware.com/vsphere-51/index.jsp?topic=%2Fcom.vmware.vsphere.resmgmt.doc%2FGUID-2FB90EF5-7733-4095-8B66-F10D6C57B820.html>

 **Ricardo00** 4 years, 6 months ago

Answer is correct A,E . [https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.resmgmt.doc/GUID-2FB90EF5-7733-4095-8B66-F10D6C57B820.html#:~:text=A%20VM%2DHost%20affinity%20rule%20includes%20the%20following%20components.,%22not%20run%20on%22\).](https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.resmgmt.doc/GUID-2FB90EF5-7733-4095-8B66-F10D6C57B820.html#:~:text=A%20VM%2DHost%20affinity%20rule%20includes%20the%20following%20components.,%22not%20run%20on%22).)
upvoted 2 times

What does ESXi Autoconfiguration do?

- A. sets up host profiles
- B. configures system network and storage devices
- C. determines the number of hosts to be deployed
- D. configures Auto Deploy

Suggested Answer: *B*

Reference:

<https://pubs.vmware.com/vsphere-51/index.jsp?topic=%2Fcom.vmware.vsphere.install.doc%2FGUID-3A409297-517E-4E7D-99D0-DE41386911B3.html>

  **Ricardo00** 4 years, 6 months ago

B is correct. <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.esxi.install.doc/GUID-3A409297-517E-4E7D-99D0-DE41386911B3.html>

upvoted 2 times

An administrator is using vSphere Web Client to configure the firewall to allow specific third-party application SSH access to an ESXi Host. What is the most secure way to configure the firewall rule?

- A. Specify remote IP subnet range in IP List.
- B. Use Allow connection from any IP address.
- C. Enable lockdown mode.
- D. Disable the firewall.

Suggested Answer: A

  **DrBigJackson** 4 years, 3 months ago

<https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.security.doc/GUID-76DBDAC5-C212-429B-B59D-DC2FC8EFD042.html#GUID-76DBDAC5-C212-429B-B59D-DC2FC8EFD042>

upvoted 1 times

  **riversquare** 4 years, 6 months ago

Correct.

Lockdown mode is not relates, disabling FW would increase risks and open FW to any source would mean there is no FW.

upvoted 1 times


In a single cluster VM encryption scenario, which two VMs should be executed from encryption? (Choose two.)

- A. Platform Services Controller
- B. vSphere Replication Appliance
- C. vRealize Operations Manager
- D. VMware vCenter Server
- E. vRealize Log Insight

Suggested Answer: *BD*

 **DrBigJackson** 4 years, 3 months ago

<https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.security.doc/GUID-B3DA9865-A28F-4EFD-ACF4-CBC8813ED110.html>
upvoted 1 times

 **Ophone** 4 years, 4 months ago

the question says: "In a single cluster VM encryption scenario, which two VMs should be executed from encryption? :

if A is the correct answer, the precondition/assumption is the deploy shall be vCenter with external PSC, since internal PSC will integrate with vCenter is one VMs.

for answer B, since it is the replication appliance, In a single cluster VM encryption scenario, if VM encrypted in the source, the target site may not able to recovery/bootup.

B&D does not need any precondition/assumption

upvoted 1 times

 **riversquare** 4 years, 6 months ago

Correct answer A and D.

vCenter and PSC. You shouldn't encrypt them using VM Encryption because they would then need to boot up to get their encryption key to boot up.


<https://blogs.vmware.com/vsphere/2017/10/key-manager-concepts-toplogy-basics-vm-vsane-encryption.html>

upvoted 2 times

 **viqar** 4 years, 8 months ago

Correct Answer is A & D

upvoted 2 times

 **Reddy9** 4 years, 8 months ago

Correct Answer is A & D

upvoted 3 times

Which vSphere feature is designed to distribute space usage and I/O load across multiple datastores?

- A. Storage Policies
- B. vStorage API for Array Integration
- C. Storage I/O Control
- D. vSphere Storage DRS

Suggested Answer: C

🗉 **komodo08** Highly Voted 4 years, 11 months ago

D is the correct answer. SIOC doesn't monitor used space.

<https://kb.vmware.com/s/article/2149938>

upvoted 7 times

🗉 **DrBigJackson** Most Recent 4 years, 3 months ago

<https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.resmgmt.doc/GUID-7686FEC3-1FAC-4DA7-B698-B808C44E5E96.html>

upvoted 1 times

🗉 **viquar** 4 years, 8 months ago

Yes Correct Answer is D ,

<https://blogs.vmware.com/vsphere/2012/04/storage-drs-more-than-io-load-balancing-only.html>

upvoted 3 times

🗉 **micus** 4 years, 11 months ago


Yes the correct answer is D

upvoted 4 times

A vSphere administrator creates a VM with 2 vCPUs and 4GB memory. A 3GB memory reservation is applied to the VM. What size is .vswp file when the VM is powered on?

- A. 1GB
- B. 2GB
- C. 3GB
- D. 4GB

Suggested Answer: A

  **DrBigJackson** 4 years, 3 months ago

<http://www.virtualizationguru.org/2012/06/virtual-machine-swap-file-size-vswp.html>

Swap File is calculated using the below formula:

Allocated Memory to VM - Reserve Memory to VM = Size of Swap file (.vswp)

upvoted 1 times

  **riversquare** 4 years, 6 months ago

Correct 1GB

.vswp = initiate memory - reservation memory

upvoted 2 times

An administrator suspects poor VM performance. The administrator runs esxtop and sees the following output from the CPU and memory screens:

```
6:48:19pm up 4:22, 528 worlds, 8 VMs, 16 vCPUs, CPU load average: 0.26, 0.36, 0.16
```

```
VMKMEM/MB: 8151 managed: 407 minfree, 3055 rsvd, 5095 ursvd, high state
```

What can the administrator conclude from this output?

- A. The host has too many worlds running.
- B. The host is ballooning.
- C. The host has adequate memory.
- D. The host is under CPU pressure.

Suggested Answer: C

 **riversquare** 4 years, 6 months ago

Answer is correct!

<https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.monitoring.doc/GUID-4B6BD1C0-AA99-47F1-93EF-4921D56AE175.html>
upvoted 1 times

Which teaming and failover policy offers the lowest latency when a failover or a migration with vSphere vMotion occurs?

- A. Network failure detection
- B. Fallback
- C. Notify switches
- D. Load balancing

Suggested Answer: C

Reference:

<https://docs.vmware.com/en/VMware-vSphere/6.0/com.vmware.vsphere.networking.doc/GUID-4D97C749-1FFD-403D-B2AE-0CD0F1C70E2B.html>

 **DrBigJackson** 4 years, 3 months ago

Notify Switches Policy

<https://docs.vmware.com/en/VMware-vSphere/6.0/com.vmware.vsphere.networking.doc/GUID-4D97C749-1FFD-403D-B2AE-0CD0F1C70E2B.html>

upvoted 1 times

 **Ricardo00** 4 years, 6 months ago

Answer C is correct .



By using the notify switches policy, you can determine how the ESXi host communicates failover events. When a physical NIC connects to the virtual switch or when traffic is rerouted to a different physical NIC in the team, the virtual switch sends notifications over the network to update the lookup tables on physical switches. Notifying the physical switch offers lowest latency when a failover or a migration with vSphere vMotion occurs.

upvoted 2 times

Which two features should an administrator use to protect a VMware vCenter Server Appliance from host and hardware failures? (Choose two.)

- A. VMware Distributed Power Management
- B. vCenter High Availability
- C. vSphere High Availability
- D. vSphere Fault Tolerance
- E. VMware vSphere Distributed Resource Scheduler

Suggested Answer: *BD*

  **Ophone** 4 years, 4 months ago

"Which two features should an administrator use to protect a VMware vCenter Server Appliance from host and hardware failures? "

"should" and "VMware vCenter Server Appliance", it means the VM is sensitive VM, zero-downtime required
B&C is a zero downtime solution.

upvoted 1 times

  **Ophone** 4 years, 4 months ago

correct last sentence:

B&D is a zero-downtime solution,

vSphere HA and DRS never be a better solution for vCenter.

upvoted 1 times

  **kzykzykzy77** 4 years, 5 months ago

B & C

VCHA already provide same capability with FT without the CPU limit.

It doesn't require downtime/restart and swap immediately when the active node fail.

upvoted 1 times

  **riversquare** 4 years, 6 months ago

Answer is B & C.

Check this link

<https://kb.vmware.com/s/article/1024051>


upvoted 2 times

  **Ricardo00** 4 years, 6 months ago

Its asking which vSphere platform features can be leveraged as part of HA. vCenter was just an example but would apply to all critical systems in the environment which you would choose to protect regardless of compute supportability. Answer would be C and D,

<https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.avail.doc/GUID-63F459B7-8884-4818-8872-C9753B2E0215.html>

upvoted 1 times

  **MIP** 4 years, 7 months ago

could be B C and D. But Fault Tolerance is only supported up to 4 vCPUs and the other two features are available for every vCSA size and configuration. since this question is about the vCSA (and not a regular VM) I would take B and C.

<https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.avail.doc/GUID-CB46CEC4-87CD-4704-A9AC-058281CFD8F8.html>

<https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.avail.doc/GUID-CB46CEC4-87CD-4704-A9AC-058281CFD8F8.html>

<https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.avail.doc/GUID-226A925F-BF20-4A58-BF15-4A76B4CEDC84.html>

upvoted 1 times

  **BanjaLord** 4 years, 8 months ago

B and C from vCenter 6.5

FT has a CPU limitation and for vcenter is pointless

upvoted 3 times

  **Ithrial** 4 years, 9 months ago

B and D are correct - <https://kb.vmware.com/s/article/1024051>

SMP-FT was introduced in 6.0. Because FT supports up to 4cpu, small and tiny vCenter appliances can be protected with FT
upvoted 1 times

  **komodo08** 4 years, 11 months ago

B and C

upvoted 4 times

Which DCUI option determines the time frame an administrator has to log in to the ESXi Shell after enabling the service?

- A. Idle Timeout
- B. Availability Timeout
- C. Enable SSH
- D. Enable ESXi Shell

Suggested Answer: B

Reference:

<https://docs.vmware.com/en/VMware-vSphere/5.5/com.vmware.vsphere.security.doc/GUID-6E1ECA4D-B617-4D42-B40B-71E4C83DEEFB.html#GUID-6E1ECA4D-B617-4D42-B40B-71E4C83DEEFB>

  **DrBigJackson** 4 years, 3 months ago

Availability Timeout - The availability timeout determines how much time can elapse before you log in: <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.security.doc/GUID-6E1ECA4D-B617-4D42-B40B-71E4C83DEEFB.html>

upvoted 1 times

  **riversquare** 4 years, 6 months ago

Correct answer B.

<https://docs.vmware.com/en/VMware-vSphere/5.5/com.vmware.vsphere.security.doc/GUID-6E1ECA4D-B617-4D42-B40B-71E4C83DEEFB.html#GUID-6E1ECA4D-B617-4D42-B40B-71E4C83DEEFB>

upvoted 1 times

Which two VMware solutions track and analyze the operation of multiple data sources? (Choose two.)

- A. vRealize Log Insight
- B. vRealize Operations Manager
- C. vRealize Life Cycle Manager
- D. vRealize Automation
- E. vRealize Orchestrator

Suggested Answer: AB

Reference:

<https://docs.vmware.com/en/vRealize-Suite/7.0/com.vmware.vrealizesuite.overview.doc/GUID-A15F2F4D-108B-4C44-BCF7-FCB4EC76BCBE.html>

 **riversquare** 4 years, 6 months ago

A & B are correct.

<https://docs.vmware.com/en/vRealize-Suite/7.0/com.vmware.vrealizesuite.overview.doc/GUID-A15F2F4D-108B-4C44-BCF7-FCB4EC76BCBE.html>
Service Management

Use service management to track and analyze the operation of multiple data sources in the multiregion SDDC. Deploy vRealize Operations Manager and vRealize Log Insight across multiple nodes for continued availability and increased log ingestion rates.

upvoted 2 times

 **Ricardo00** 4 years, 6 months ago

A and B are correct

upvoted 3 times

 **connectozee** 4 years, 7 months ago

VMware vRealize Log Insight delivers centralized log management, deep operational visibility, and intelligent analytics for better troubleshooting and security

You can extend the monitoring capabilities of vRealize Operations Manager by installing and configuring management packs in vRealize Operations Manager to connect to and analyze data from external data sources in your environment. Once connected, you use vRealize Operations Manager to monitor and manage objects in your environment.

upvoted 3 times

A vSphere administrator is performing a greenfield vSphere deployment with these requirements:

- ⇒ vCenter Server sized for 100 ESXi hosts and 1000 virtual machines
- ⇒ Each ESXi Host with 512 LUNs and 2048 paths mapped from Dell EMC XtremIO Storage Array

Which vCenter Server Appliance deployment size meets requirements?

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

Suggested Answer: D

🗨️ **BanjaLord** Highly Voted 4 years, 8 months ago

A : large

<https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vcenter.upgrade.doc/GUID-88571D8A-46E1-464D-A349-4DC43DCAF320.html>

If you want to add an ESXi host with more than 512 LUNs and 2,048 paths to the vCenter Server Appliance inventory, you must deploy a vCenter Server Appliance for a large or x-large environment.

upvoted 6 times

🗨️ **frank2601** Highly Voted 4 years, 7 months ago

D Small.

more than 512.

upvoted 5 times

🗨️ **theonlyxem** 4 years, 6 months ago

Do i not need to buffer for expansion? :D

upvoted 1 times

🗨️ **integrated** Most Recent 4 years, 4 months ago

The answer is A: Large.

<https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vcenter.upgrade.doc/GUID-88571D8A-46E1-464D-A349-4DC43DCAF320.html>

upvoted 1 times

🗨️ **Ricardo00** 4 years, 6 months ago

Answer D is correct. The small deployment of VCSA meets all the requirements and criteria's. Expansion is not a requirement.

upvoted 3 times

🗨️ **connecttozee** 4 years, 7 months ago

Tiny Environment (up to 10 Hosts, 100 Virtual Machines)

Small Environment (up to 100 Hosts, 1,000 Virtual Machines)

Medium Environment (up to 400 Hosts, 4,000 Virtual Machines)

Large Environment (up to 1,000 Hosts, 10,000 Virtual Machines)

upvoted 3 times

What is used by a VM for direct access to a LUN?

- A. vSAN
- B. RDM
- C. NVMe
- D. ext3

Suggested Answer: *B*

Reference:

<https://pubs.vmware.com/vsphere-51/index.jsp?topic=%2Fcom.vmware.vsphere.storage.doc%2FGUID-D06EC5D3-FCE6-4E07-8967-0D146A12FEA0.html>

  **riversquare** 4 years, 6 months ago

B is Correct.

https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.vm_admin.doc/GUID-4236E44E-E11F-4EDD-8CC0-12BA664BB811.html

You can use a raw device mapping (RDM) to store virtual machine data directly on a SAN LUN, instead of storing it in a virtual disk file. You can add an RDM disk to an existing virtual machine

upvoted 1 times


A vSphere administrator uses a Dedicated Failover Hosts Admission Control Policy in a cluster. An ESXi host fails and vSphere HA attempts to restart the VMs onto the dedicated failover hosts. The hosts have insufficient resources. What happens to the VMs?

- A. vSphere HA restarts VMs in another cluster.
- B. vSphere HA suspends the VMs until a host is available.
- C. vSphere HA powers down the VMs.
- D. vSphere HA attempts to restart the VMs on other hosts in the cluster.

Suggested Answer: D

Reference:

https://pubs.vmware.com/vsphere-50/index.jsp?topic=%2Fcom.vmware.vsphere.avail.doc_50%2FGUID-C4F5F9EE-4235-4151-BEBE-FCB2A752407B.html

 **Ophone** 4 years, 4 months ago

the question is "What happens to the VMs?" equals "What will happen to the VMs on next?"

It easy to understand it as "What happened to the VMs?", then lead to a wrong answer.

upvoted 1 times

 **jbrewer07** 4 years, 9 months ago

D

<https://docs.vmware.com/en/VMware-vSphere/7.0/com.vmware.vsphere.avail.doc/GUID-C4F5F9EE-4235-4151-BEBE-FCB2A752407B.html#:~:text=With%20dedicated%20failover%20hosts%20admission,of%20the%20specified%20failover%20hosts.>

upvoted 2 times

Which migration technique could be used to move a VM between vCenters while the VM is powered on?

- A. Suspended
- B. Shared-nothing vSphere vMotion
- C. Cold
- D. Storage vMotion

Suggested Answer: *D*

Reference:

<https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.vcenterhost.doc/GUID-FE2B516E-7366-4978-B75C-64BF0AC676EB.html>


 **riversquare** 4 years, 6 months ago

Just my two cents:


- 1 - The VM is a powered on.
- 2 - The host that is in one vCenter Server will not be in the other.
- 3 - Storage vMotion only migrates data.

So for me is B - Shared-nothing vSphere vMotion.

<https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.vcenterhost.doc/GUID-561681D9-6511-44DF-B169-F20E6CA94944.html>
upvoted 2 times

 **lthrial** 4 years, 9 months ago


technically the storage vmotion is the right answer because a shared nothing vmotion is just a traditional vmotion + a svmotion performed at the same time. Shared nothing vmotion is not a true name of the process in the vcenter client, but storage vmotion is the official name of the process. I know it's a technically
upvoted 1 times

 **Reddy9** 4 years, 8 months ago


yep, it is not a name but the question is "Which migration technique?". So the correct answer is B.
upvoted 4 times

 **DenZn** 4 years, 10 months ago

Agree B
upvoted 2 times

 **micus** 4 years, 11 months ago

of course..should be B
upvoted 3 times

 **generalst** 4 years, 11 months ago

Should be B
upvoted 3 times

A VSS is configured with two uplinks and assigned a load balancing policy route based on a virtual port ID.

What are two potential disadvantages of this configuration? (Choose two.)

- A. A VM with a single MAC address is limited to the speed of the uplink associated with the relevant port ID.
- B. Higher resource consumption compared to other load balancing algorithms will occur.
- C. The virtual switch is unaware of uplink load and uplinks might become overloaded.
- D. The NIC with less load is more likely to be chosen if port IDs match.
- E. ESXi will use NIOC to attempt to mitigate network congestion when an uplink becomes saturated.

Suggested Answer: AC

Reference:

<https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.networking.doc/GUID-A4F1BF4B-8199-45A1-9578-1E4B6B08DAB0.html>

  **riversquare** 4 years, 6 months ago

A&C is correct.

<https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.networking.doc/GUID-A4F1BF4B-8199-45A1-9578-1E4B6B08DAB0.html>
upvoted 1 times

Which permission should be granted to a user with Administrator permission and with no access to the encrypted VM console?

- A. New role with no Cryptographic Operations
- B. Administrator role and Read Only Role
- C. Administrator role
- D. No Cryptography Administrator role

Suggested Answer: D

Reference:

<https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.security.doc/GUID-17568345-E59E-43A8-A811-92F8BE9C7719.html#GUID-17568345-E59E-43A8-A811-92F8BE9C7719>

  **DrBigJackson** 4 years, 3 months ago

You can assign the No cryptography administrator role to vCenter Server administrators that do not need Cryptographic Operations privileges. (See link with answer).

upvoted 1 times


  **riversquare** 4 years, 6 months ago

D is correct.

<https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.security.doc/GUID-93B962A7-93FA-4E96-B68F-AE66D3D6C663.html>

Users with the No cryptography administrator role for an object have the same privileges as users with the Administrator role, except for Cryptographic operations privileges. This role allows administrators to designate other administrators that cannot encrypt or decrypt virtual machines or access encrypted data, but that can perform all other administrative tasks.

upvoted 1 times

  **Ithrial** 4 years, 9 months ago

<https://www.vmware.com/content/dam/digitalmarketing/vmware/en/pdf/products/vsphere/vmw-wp-vsphere-virtual-machin-encryp.pdf>

Page 8 - literally says no access to encrypted VM Console

upvoted 2 times

Which feature allows a vSphere administrator to reduce power consumption on a cluster?

- A. WOL
- B. BMC
- C. DPM
- D. DNS

Suggested Answer: C

🗉 **riversquare** 4 years, 6 months ago

DPM: <https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.resmgmt.doc/GUID-5E5E349A-4644-4C9C-B434-1C0243EBDC80.html>

"The vSphere Distributed Power Management (DPM) feature allows a DRS cluster to reduce its power consumption by powering hosts on and off based on cluster resource utilization."

upvoted 1 times

🗉 **connectozee** 4 years, 7 months ago

WOL = Wake on LAN

BMC = PATROL for VMware vSphere supports the VMware vSphere features described in this section. PATROL for VMware vSphere provides the following features for monitoring your environment:



DPM = VMware Distributed Power Management (VMware DPM)

upvoted 2 times

An administrator manages a cluster containing Production and Test VMs. Production VMs run on a VSS port group and a storage array separate from the Test VMs. The administrator wants to prevent large (>500GB) file transfers in Test from impacting Production. Which two configuration changes should the administrator make to achieve this? (Choose two.)

- A. Migrate the VSS port groups to VDS port groups.
- B. Install a second virtual NIC in the Production VMs.
- C. Move the Production VMs to a resource pool with a memory reservation.
- D. Enable the Test VMs to a dedicated folder with CPU shares set to low.



Suggested Answer: AB

  **alsmk2** 4 years, 6 months ago

A B make most sense.

File transfer is network based, so CPU / Memory shares would have zero impact on network.

upvoted 4 times

  **MIP** 4 years, 7 months ago

should be C + D to prevent Test VMs impacting the Production VMs

A + B would only make sense if you insert more physical NICs

upvoted 2 times

The VM storage policy compliance status is out of date.

Which step should the administrator take to maintain compliance with the existing storage policy?

- A. Change the service level capability.
- B. Assign a new storage policy.
- C. Reapply the storage policy.
- D. Migrate VM to another host.

Suggested Answer: C

Reference:


<https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.storage.doc/GUID-476613DD-787A-4E97-8FA5-00639D206FD2.html>

 **DrBigJackson** 4 years, 3 months ago

If the status is Out of Date, reapply the policy to the objects.

<https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.storage.doc/GUID-133B65D0-CE10-45E7-BFA5-74CAD19E0DFD.html>

upvoted 1 times

 **riversquare** 4 years, 6 months ago

C is Correct.

<https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.storage.doc/GUID-476613DD-787A-4E97-8FA5-00639D206FD2.html>

The compliance status for a virtual machine is Out of Date. The status indicates that the policy has been edited, but the new requirements have not been communicated to the datastore.

upvoted 1 times

A vSphere administrator has a VM that needs to be deployed from a template located in an optimized content library. What needs to be done before the VM can be deployed?

- A. Export the template as an OVF.
- B. Clone the template to a new template.
- C. A subscribed content library needs to be created.
- D. Deploy VM from the template.

Suggested Answer: C

Reference:

https://docs.vmware.com/en/VMware-vSphere/6.5/com.vmware.vsphere.vm_admin.doc/GUID-254B2CE8-20A8-43F0-90E8-3F6776C2C896.html

 **riversquare** 4 years, 6 months ago

Answer C

https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.vm_admin.doc/GUID-2A0F1C13-7336-45CE-B211-610D39A6E1F4.html

Select Optimize for syncing over HTTP to create an optimized published library.

This library is optimized to ensure lower CPU usage and faster streaming of the content over HTTP. Use this library as a main content depot for your subscribed libraries. You cannot deploy virtual machines from an optimized library. Use optimized published content library when the subscribed libraries reside on a remote vCenter Server system and enhanced linked mode is not used.

upvoted 1 times

A vSphere administrator has the privilege Content library > Add library item on the vCenter object, but is unable to add items to a local content library.

How would the vSphere administrator correct this?

- A. Remove the No Access role on the vCenter object.
- B. Restart the Content Library Service.
- C. Assign the privilege to the global root object.
- D. Reboot the vCenter Server Appliance.

Suggested Answer: C

  **riversquare** 4 years, 6 months ago

C is Correct.

https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.vm_admin.doc/GUID-18F4B892-D685-4473-AC25-3195D68DFD90.html

If a user is an Administrator at a vCenter Server level, they have sufficient privileges to manage the libraries that belong to this vCenter Server instance, but cannot see the libraries unless they have a Read-Only role as a global permission. Administrators whose role is defined as a global permissions can see and manage the libraries in all vCenter Server instances that belong to the global root.

upvoted 1 times

What should the administrator do to monitor the size of the VM snapshot?

- A. Use native Guest OS monitoring tools.
- B. Install VMware Tools.
- C. Create a condition-based alarm.
- D. Run esxstop.

Suggested Answer: C

Reference:

<https://kb.vmware.com/s/article/1018029>

  **DrBigJackson** 4 years, 3 months ago

Pages: 131-133

<https://docs.vmware.com/en/VMware-vSphere/6.7/vsphere-esxi-vcenter-server-67-monitoring-performance-guide.pdf>

upvoted 1 times

  **riversquare** 4 years, 6 months ago

C is correct.

[https://docs.vmware.com/en/VMware-vSphere/6.7/vsphere-esxi-vcenter-server-65-monitoring-performance-guide.pdf?](https://docs.vmware.com/en/VMware-vSphere/6.7/vsphere-esxi-vcenter-server-65-monitoring-performance-guide.pdf?hWord=N4IghgNiBclGoFkAEBnAdmADigFgewBdUBLALwFMllwAnAWxAF8g)

[hWord=N4IghgNiBclGoFkAEBnAdmADigFgewBdUBLALwFMllwAnAWxAF8g](https://docs.vmware.com/en/VMware-vSphere/6.7/vsphere-esxi-vcenter-server-65-monitoring-performance-guide.pdf?hWord=N4IghgNiBclGoFkAEBnAdmADigFgewBdUBLALwFMllwAnAWxAF8g)

upvoted 1 times

An administrator is elevating the security posture of a vSphere environment after a recent data breach. All VMs will be encrypted as part of this plan.

Which additional component is required for the encryption?

- A. KMS server
- B. two-factor authentication
- C. encrypted vSphere vMotion
- D. vSAN encryption

Suggested Answer: C

 **generalst** Highly Voted 4 years, 11 months ago

Should be A, that's needed for encryption. We're not talking about migration here.

upvoted 7 times

 **riversquare** 4 years, 6 months ago

Correct. Need a KMS Server to enable Encryption

<https://www.youtube.com/watch?v=5-1ejlPGEcU>

upvoted 2 times

 **Ophone** Most Recent 4 years, 4 months ago

"All VMs will be encrypted as part of this plan" This means KMS is already had, without KMS, how VM be encrypted? the question is ask an additional component, that is encrypted vSphere vMotion.

upvoted 1 times

 **tommy_a_d** 4 years, 4 months ago

Nope, encrypted vMotion is enabled and runs by default on ESXi 6.5+ hosts. It has nothing to do with the VM itself being encrypted.

upvoted 1 times

 **Javiersolasolera** 4 years, 10 months ago


I believe the correct answer is A, Because this information: <https://nolabnparty.com/en/vsphere-vm-encryption-kms-server-installation-pt-1/>

upvoted 2 times

 **DenZn** 4 years, 10 months ago

Agree - Should be A

upvoted 2 times

 **KZL** 4 years, 11 months ago

C - KMS

upvoted 1 times

How is vCenter HA different from vSphere HA?

- A. vCenter HA requires only an active and passive node.
- B. vCenter HA requires an external Platform Services Controller.
- C. vCenter HA requires Fault Tolerance.
- D. vCenter HA requires an active, passive, and witness node.

Suggested Answer: *D*

Reference:

<https://nolabnparty.com/en/vmware-vcenter-high-availability-setup-pt-1/>

  **riversquare** 4 years, 6 months ago

D is Correct.

<https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.avail.doc/GUID-2D395533-4C7C-45A6-9B5C-0A78C3E3A5C8.html>

A vCenter HA cluster consists of three vCenter Server Appliance instances. The first instance, initially used as the Active node, is cloned twice to a Passive node and to a Witness node. Together, the three nodes provide an active-passive failover solution.

upvoted 1 times

Which file extension can export host customization for host profiles?

- A. .xls
- B. .xml
- C. .csv
- D. .json

Suggested Answer: C

Reference:

<https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.hostprofiles.doc/GUID-2E7398E2-1CF2-4448-96A3-1371B10936B1.html>

 **riversquare** 4 years, 6 months ago

C is Correct.

<https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.hostprofiles.doc/GUID-2E7398E2-1CF2-4448-96A3-1371B10936B1.html>

upvoted 1 times

A vSphere administrator notices performance issues with the vCenter Server Appliance. The CPU usage is over 70%. Which two actions should the administrator take to investigate the performance issues? (Choose two.)

- A. Verify if all hosts are in a connected state.
- B. Use esxtop to identify which process are using high CPU.
- C. Use vimtop to identify which processes are using high CPU.
- D. Check the vCenter HA configuration.
- E. Check if vCenter Server is swapping.

Suggested Answer: CE

  **DrBigJackson** 4 years, 3 months ago

Monitor Health Status and Statistics in the vCenter Server Appliance:

<https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.vcsa.doc/GUID-ACEC0944-EFA7-482B-84DF-6A084C0868B3.html>

(And use Riversquare's link to read about vimtop)

upvoted 1 times

  **riversquare** 4 years, 6 months ago

C & E are correct.

<https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.monitoring.doc/GUID-E5E062B2-4195-4DA5-A85D-6E47B6A53D14.html?hWord=N4IghgNiBclGoEkCyAVA8gBRAXyA>


To view the health of the swap in the vCenter Server Appliance, run the `swap.health.get` command.

upvoted 1 times

A vSphere Administrator is receiving complaints a database VM is experiencing performance issues. The VM is a member of the high priority resource pool and the cluster has not experienced contention.
Which condition should be checked to address immediate performance concerns?

- A. VM snapshots
- B. VMFS version
- C. Resource Pool share value
- D. Configured CPU shares

Suggested Answer: C

  **riversquare** Highly Voted 4 years, 6 months ago

Correct answer is A.



Snapshots can negatively affect the performance of a virtual machine. Performance degradation is based on how long the snapshot or snapshot tree is in place, the depth of the tree, and how much the virtual machine and its guest operating system have changed from the time you took the snapshot. Also, you might see a delay in the amount of time it takes the virtual machine to power on. Do not run production virtual machines from snapshots on a permanent basis.

upvoted 5 times

  **jn1977** Most Recent 3 years, 9 months ago

The correct answer is A. Because the question states "cluster has not experienced contention" Share values are only used during periods of contention, had the answer said resource limits that would be a good place to start.

upvoted 1 times

  **T0mino** 4 years, 3 months ago

C is the correct answer.

The question is a bit misleading. There is no such thing as a high priority on resource pools. Only resource pool CPU and MEM shares settings (high, normal, low), that "dictate" the priority with which the resources are assigned.

So in the context of the question, "High priority" is the resource pool name. That doesn't tell you anything about the actual shares settings of the resource pool.

Although, personally I would also go for the snapshots as a first option.

upvoted 1 times

  **pierreinachi** 4 years, 6 months ago

Correct answer should be A. Not C because question mention "The VM is a member of the high priority resource pool"

upvoted 3 times

  **theonlyxem** 4 years, 6 months ago

Answer should be A.

upvoted 4 times

  **MIP** 4 years, 7 months ago

Could be D (CPU and VM only) but I think the correct answer should be C (CPU and memory share value of the pool and all members). The admin better check all share values according to all members of the resource pool and possible sibling pools and even all VMs outside of the resource pools in the cluster:

<https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.resmgmt.doc/GUID-C0D2EFAE-1FE4-4867-AC3F-3E70D9A9ED59.html>


<http://www.yellow-bricks.com/2010/12/14/shares-set-on-resource-pools/>

upvoted 2 times

What could cause a high %RDY value?

- A. Incompatible network driver
- B. memory fully allocated
- C. too many vCPUs configured
- D. disk latency greater than 2ms

Suggested Answer: *C*

 **DrBigJackson** 4 years, 3 months ago

Check %RDY

<https://communities.vmware.com/t5/Storage-Performance/Interpreting-esx-top-Statistics/ta-p/2776936>

upvoted 1 times

 **riversquare** 4 years, 6 months ago

%RDY is cpu parameter. No other answer is related to cpu

upvoted 2 times

A vSphere Administrator wants to move a vCenter Server with an external Platform Services Controller from one SSO domain to another SSO domain.

Which option in cmsso-util will achieve this?

- A. domain-repoint
- B. reconfigure
- C. unregister
- D. repoint

Suggested Answer: A

Reference:

<https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vcenter.install.doc/GUID-6994BBFF-D774-4D83-B694-6595E06569AC.html>

  **DrBigJackson** 4 years, 3 months ago

Use the Command:

```
cmsso-util domain-repoint -m execute --src-emb-admin Administrator --dest-domain-name xxx.xxx
```

upvoted 1 times

  **riversquare** 4 years, 6 months ago

Correct answer is A.

The domain-repoint sub-command of cmsso-util is available starting with vCenter Server 6.7 and supports domain repointing for External PSC deployments. In vCenter Server 6.7 Update 1 and later, Embedded and External PSC deployments are supported for domain repointing

upvoted 1 times

Using vSphere HA Orchestrated Restart an administrator places the most mission critical VM in the highest priority. After a host failure, the highest priority VM fails to restart while VMs in high priority restart.
What would cause this to occur?

- A. There are insufficient cluster resources.
- B. Performance degradation VMs tolerate threshold is at default.
- C. VMware Tools is not installed.
- D. Proactive HA is disabled.

Suggested Answer: D

  **nefini** Highly Voted 4 years, 11 months ago

Should be A
upvoted 8 times

  **DenZn** Highly Voted 4 years, 10 months ago



Agree - Should be A
upvoted 7 times

  **integrated** Most Recent 4 years, 4 months ago

Factors Considered for Virtual Machine Restarts: File accessibility, Virtual machine and host compatibility, Resource reservations, Host limits, & Feature constraints.
upvoted 1 times

  **integrated** 4 years, 4 months ago

VM restart priority determines the relative order in which virtual machines are placed on new hosts after a host failure. Such virtual machines are restarted, with the highest priority virtual machines attempted first and continuing to those with lower priority until all virtual machines are restarted or no more cluster resources are available. Note that if vSphere HA fails to power on a high-priority virtual machine, it does proceed to try any lower-priority virtual machines. Because of this, the VM restart priority cannot be used to enforce a restart priority for a multiple virtual machine application. Also, if the number of hosts failures exceeds what admission control permits, the virtual machines with lower priority might not be restarted until more resources become available. Virtual machines are restarted on the failover hosts, if specified.
upvoted 2 times



  **Ophone** 4 years, 4 months ago

a host failure, vMotion and svMotion could not happen anymore, so the DRS could not restart VM. Only proactive HA can give the VM has a chance to restart, since proactive HA will monitor/predict the resource or failure, and trigger action before the Host failed.
upvoted 1 times

  **riversquare** 4 years, 6 months ago

VM restart priority determines the relative order in which virtual machines are placed on new hosts after a host failure. Such virtual machines are restarted, with the highest priority virtual machines attempted first and continuing to those with lower priority until all virtual machines are restarted or no more cluster resources are available. Note that if vSphere HA fails to power on a high-priority virtual machine, it does proceed to try any lower-priority virtual machines.

so A might be the answer.
upvoted 1 times

  **Mig** 4 years, 10 months ago

A - correct answer
upvoted 7 times

An administrator wants to ensure the VMs for two different departments are separated on a single broadcast domain.
Which configuration fulfills this requirement?

- A. PVLAN on Uplink Port
- B. PVLAN on VMkernel Interface
- C. PVLAN on VSS
- D. PVLAN on VDS

Suggested Answer: *D*

  **riversquare** 4 years, 6 months ago

D.

Private VLANs are only available on vDS and are associate with VM-port groups.

<https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.networking.doc/GUID-A9287D46-FDE0-4D64-9348-3905FEAC7FAE.html>

upvoted 2 times

A vSphere administrator wants to enable Proactive HA in a vSphere cluster.

What is required to use this feature?

- A. vROps must be installed.
- B. DRS must be enabled.
- C. DCUI must be enabled.
- D. VCHA must be configured.

Suggested Answer: B

🗨️ 👤 **DrBigJackson** 4 years, 3 months ago

DRS is a prerequisite of Proactive HA:

<https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.avail.doc/GUID-3E3B18CC-8574-46FA-9170-CF549B8E55B8.html>

upvoted 1 times

🗨️ 👤 **riversquare** 4 years, 6 months ago

Correct answer is B.

If you disable DRS, Proactive HA is grayed out. To enable Proactive HA you must also enable DRS on the cluster.

upvoted 3 times


A vSphere administrator is trying to create a resource pool but the option is grayed out.
What must be enabled before creating a resource pool?

- A. DRS
- B. Storage DRS
- C. EVC
- D. HA

Suggested Answer: A

Reference:

<https://kb.vmware.com/s/article/1004098>

  **integrated** 4 years, 4 months ago

<https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.resmgmt.doc/GUID-0F6C6709-A5DA-4D38-BE08-6CB1002DD13D.html>
upvoted 2 times

  **riversquare** 4 years, 6 months ago

Right answer.

upvoted 1 times

An administrator is concerned about the amount of time the IT team takes to create multiple VLANs in a very dynamic vSphere environment.

The environment has these parameters:

- ⇒ All virtual networking utilizes vSphere Standard Switches with uplinks to a Cisco Infrastructure
- ⇒ Activities require 5-10 VLANs being created or removed every couple of days
- ⇒ The IT team has three members

How can the administrator centralize the virtual networking configuration so the IT team utilizes time more efficiently?

- A. Deploy a vRealize Orchestrator (vRO) appliance.
- B. Create and use a vSphere Distributed Switch (VDS).
- C. Enable and configure Storage I/O Control (SIOC).
- D. Enable and configure vSphere Network I/O Control (NIOC).

Suggested Answer: B

🗨️  **riversquare** 4 years, 6 months ago

VMware vSphere Distributed Switch (VDS) provides a centralized interface from which you can configure, monitor and administer virtual machine access switching for the entire data center

upvoted 1 times

A cluster contains database VMs which have low utilization, except during a weekly data load that causes extremely high utilization. As DRS balances the VM load, there is an extended period of slow performance. Which two actions could be taken to reduce the impact of the recurring data load? (Choose two.)

- A. Increase the number of vCPUs on the database VMs.
- B. Enable VMware vRealize Operations Manager Integration with VMware vCenter.
- C. Enable Proactive HA on the cluster.
- D. Enable Predictive DRS on the cluster.
- E. Increase the RAM allocated to the database VMs.



Suggested Answer: *BD*

Reference:

<https://vspherecentral.vmware.com/t/resource-management-and-availability/vsphere-resources-and-availability/predictive-drs/>

  **integrated** 4 years, 4 months ago

https://subscription.packtpub.com/book/virtualization_and_cloud/9781787127418/13/ch13lv1sec147/configuring-predictive-drs
upvoted 1 times

  **alsmk2** 4 years, 6 months ago

B D correct.
upvoted 2 times

  **connecttozee** 4 years, 7 months ago

Predictive DRS is a feature that combines the analytics of vRealize Operations Manager 6.4 (and higher) with the logic of vSphere 6.5 DRS. This collaboration between products allows DRS to execute predictive moves based on the predictive data sent by vRealize Operation Manager.
upvoted 2 times

A vSphere Administrator configures Quick Boot to restart an ESXi host without rebooting the physical hardware. In order to troubleshoot any ESXi Quick Boot issues which log file needs to be reviewed?]

- A. vmkeventd.log
- B. vmkernel.log
- C. vpxa.log
- D. loadESX.log

Suggested Answer: D

🗨️ 👤 **DrBigJackson** 4 years, 3 months ago

/var/log/loadESX.log Contains all events related to restarting an ESXi host through Quick Boot

<https://docs.vmware.com/en/VMware-vSphere/6.7/com.vmware.vsphere.security.doc/GUID-832A2618-6B11-4A28-9672-93296DA931D0.html>

upvoted 1 times

🗨️ 👤 **connectozee** 4 years, 7 months ago

vmkeventd.log = Capture of VMkernel events.

vmkernel.log = Core VMkernel logs, including device discovery, storage and networking device and driver information, and virtual machine startup information and driver events

vpxa.log = Present when a host is connected to a vCenter Server. vCenter Server VPXA agent logs, including communication with vCenter Server and the host management hostd agent.

loadESX.log = troubleshooting quickboot info can be found in the logs

upvoted 3 times