

# 2V0-620<sup>Q&As</sup>

vSphere 6 Foundations Beta

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### QUESTION 1

An administrator has just completed installing an ESXi 6.x host, but doesn't know what address has been configured.

Where is the ESXi host IP address configured?

- A. RVC console
- B. Direct Console User Interface
- C. vSphere Web Client D. vSphere Client

Correct Answer: B

Access Direct Console User Interface to configure ESXi host IP address.

Reference: <http://www.virtualizationadmin.com/articles-tutorials/vmware-esx-and-vsphere-articles/installation-and-deployment/understanding-vmware-esxi-direct-console-user-interface-dcui.html>

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### QUESTION 2

An administrator must determine an appropriate backup solution, given these conditions:

50 of the virtual machines are in a resource pool named Finance.

50 of the virtual machines are in a resource pool named QA.

Which solution allows an administrator the ability to backup 100 virtual machines?

- A. Use Snapshot Manager on the vCenter Server to backup the virtual machines.
- B. Use the VMware Consolidated Backup (vcb) tool on the ESXi Host to backup the virtual machines.
- C. Use the VMware Data Recovery (VDR) Appliance on the vCenter Server to backup the virtual machines.
- D. Use the VMware Data Protection (VDP) Appliance on one of the ESXi Hosts to backup the virtual machines.

Correct Answer: D

VDP supports these specifications:

Each vCenter Server can support up to 10 VDP appliances.

Each VDP appliance supports backup for up to 100 virtual machines.

Only 1 VDP appliance can exist per ESXi/ESX host.

Support for 0.5 TB, 1 TB, or 2 TB of deduplicated backup data.

Reference: [https://kb.vmware.com/selfservice/microsites/search.do?](https://kb.vmware.com/selfservice/microsites/search.do?language=en_US&cmd=displayKcandexternalId=2016565)

[language=en\\_US&cmd=displayKcandexternalId=2016565](https://kb.vmware.com/selfservice/microsites/search.do?language=en_US&cmd=displayKcandexternalId=2016565)

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### QUESTION 3

Which two High Availability (HA) Cluster admission control policies can help avoid resource fragmentation? (Choose two.)

- A. Define failover capacity by static number of hosts
- B. Define failover capacity by reserving a percentage of the cluster resources
- C. Use dedicated failover hosts
- D. Use Virtual Machine Monitoring

Correct Answer: AC

To avoid resource fragmentation, define failover capacity by static number of hosts and use dedicated failover hosts.

Reference: <https://pubs.vmware.com/vsphere-51/index.jsp?topic=%2Fcom.vmware.vsphere.avail.doc%2FGUID-C4059DB9-D673-45CB-918C-68C87FEB060A.html>

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### QUESTION 4

An administrator is attempting to power on a virtual machine, but the task is hanging at 95%.

What three scenarios best explain why this problem is happening? (Choose three.)

- A. A virtual machine question is currently being posed to the administrator.
- B. Another task for the virtual machine or other component is already in progress.
- C. The VMware High Availability cluster has insufficient resources to guarantee failover.
- D. The host has lost access to the storage device containing the virtual machine files.
- E. The host is under resource contention and unable to power on the virtual machine.

Correct Answer: ABC

It might be that another task for the virtual machine or another component is already in progress or that the VMware HA cluster has insufficient resources to guarantee failover.

Reference: [https://kb.vmware.com/selfservice/search.do?cmd=displayKcanddocType=kcanddocTypeID=DT\\_KB\\_1\\_1andexternalId=1027096](https://kb.vmware.com/selfservice/search.do?cmd=displayKcanddocType=kcanddocTypeID=DT_KB_1_1andexternalId=1027096)

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### QUESTION 5

Users of an application are reporting performance issues. The following performance values are observed in the vSphere Web Client:

Host CPU utilization is 90%

Virtual Machine memory utilization is consistently greater than 90%

CPU Ready values are higher than 20%

What could be the cause of the application performance issue?

- A. The host is lacking the CPU resources required to meet the demand.
- B. The host is lacking the memory resources required to meet the demand.
- C. The virtual machine is lacking the CPU resources required to meet the demand.
- D. The virtual machine is lacking the memory resources required to meet the demand.

Correct Answer: A

A short spike in CPU usage indicates that you are making the best use of the host resources. However, if the value is constantly high, the host is probably lacking the CPU required to meet the demand.

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## QUESTION 6

An administrator is configuring the Failover Order option on a vSphere Distributed Switch.

Which two options should be used with IP-hash load balancing? (Choose two.)

- A. Active Uplinks
- B. Standby Uplinks
- C. Unused Uplinks
- D. Override Failover Order

Correct Answer: AC

Active Uplinks, and Unused adapter Uplinks are used with IP hash load balancing. Reference:

<https://books.google.com.pk/books?id=35TE4cSycNACandpg=PA201andlpg=PA201anddq=IP+hash+load+balancing+active+uplinks+unused+uplinksandsource=blandots=ggg8VOCpw4andsig=EaqvN49p2UWQ5b6V53SkFFmJhcandhl=enandsa=Xandved=0ahUKEwiv1ruEhMbNAhVGL48KHfXaBN4Q6AEIUzAJ#v=onepageandq=IP%20hash%20load%20balancing%20active%20uplinks%20unused%20uplinksandf=false>

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## QUESTION 7

An administrator configures vSphere Replication for a virtual machine and enables multiple point in time (PIT) instances under the recovery settings in the Configure Replication wizard.

Which two statements are correct for vSphere Replication with multiple point in time instances enabled? (Choose two.)

- A. vSphere Replication retains a number of snapshot instances of the virtual machine on the target site based on the retention policy that you specify.
- B. vSphere Replication uses the virtual machine's snapshot instances to define the target site Point in Time instance based on the retention policy that you specify.
- C. vSphere Replication does not support virtual machines with snapshots.
- D. vSphere Replication supports virtual machines with snapshots.

Correct Answer: AD

When you configure replication of a virtual machine, you can enable multiple point in time (PIT) instances in the recovery settings in the Configure Replication wizard. vSphere Replication retains a number of

snapshot instances of the virtual machine on the target site based on the retention policy that you specify. vSphere Replication supports maximum of 24 snapshot instances. After you recover a virtual machine, you can revert it to a specific snapshot. During replication, vSphere Replication replicates all aspects of the virtual machine to the target site, including any potential viruses and corrupted applications. If a virtual machine suffers from a virus or corruption and you have configured vSphere Replication to keep PIT snapshots, you can recover the virtual machine and then revert it to a snapshot of the virtual machine in its uncorrupted state. Reference: <https://pubs.vmware.com/srm-55/index.jsp?topic=%2Fcom.vmware.srm.admin.doc%2FGUID-F3C8A2E9-183E-4DFF-A7D1-43CAEE584149.html>

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#### QUESTION 8

An administrator enables High Availability (HA) on a Virtual SAN cluster.

Which network is used for HA Network Heartbeat configuration?

- A. The Management network.
- B. The vMotion network.
- C. The Virtual SAN network.
- D. The Provisioning Traffic network.

Correct Answer: C

Virtual SAN network is used for HA Network heart beat configuration.

Reference: <https://pubs.vmware.com/vsphere-55/index.jsp?topic=%2Fcom.vmware.vsphere.storage.doc%2FGUID-D68890D8-841A-4BD1-ACA1-DA3D25B6A37A.html>

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#### QUESTION 9

What is the effective vSphere licensing level during the 60 day evaluation period?

- A. vSphere Foundation Essentials Plus
- B. vSphere Standard

- C. vSphere Enterprise
- D. vSphere Enterprise Plus

Correct Answer: D

The evaluation mode provides the set of features equal to a vSphere Enterprise Plus license. Before the evaluation mode expires, you must assign to your hosts a license that supports all the features in use.

Reference: <https://pubs.vmware.com/vsphere-55/index.jsp?topic=%2Fcom.vmware.vsphere.upgrade.doc%2FGUID-17862A54-C1D4-47A9-88AA-2A1A32602BC6.html>

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#### QUESTION 10

Which two configurable options apply to both virtual machine CPU and memory allocation? (Choose two.)

- A. Reservation
- B. Shares
- C. Resource Pool
- D. Reserve All

Correct Answer: AB

Reservation and shares apply to virtual machine CPU and memory allocation. Reference: <http://frankdenneman.nl/2010/06/08/reservations-and-cpu-scheduling/>

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#### QUESTION 11

An administrator has unsuccessfully attempted several times to install an Operating System inside a virtual machine. The administrator finds that the installation fails at random intervals.

Which two actions can be taken to resolve this issue? (Choose two.)

- A. Verify the md5sum and if invalid, download the installation files again.
- B. Attempt the installation an additional time.
- C. Attempt to use a different installation media or installation method.
- D. Create a new virtual machine and attempt the installation with the existing media.

Correct Answer: AC

First verify md5sum and if it is invalid, download installation files again. Secondly, attempt to use a different installation media because the one used might be corrupt.

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#### QUESTION 12

Which two badges are major badges in vRealize Operations? (Choose two.)

- A. Risk
- B. Efficiency
- C. Workload
- D. Faults

Correct Answer: AB

vC Ops has 3 major badges and their status depends on the minor badges whose scores get rolled up to make up the major badges. Those 3 major badges are Health, Risk, and Efficiency. Each of these 3 badges are weighted combinations of minor badges. Thus, the major badges are the color and numerical score that they are because of the status of the minor badges that they are summarizing.

Reference: <http://blogs.vmware.com/management/2014/04/david-davis-on-vcenter-operations-post-8understanding-vcenter-operations-badges.html>

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### QUESTION 13

Which two actions are prerequisites to adding ESXi 6.x hosts to a vSphere Distributed Switch? (Choose two.)

- A. Verify that there is at least one Distributed Port Group on the Distributed Switch.
- B. Verify that the Distributed Port Group have active uplinks configured in its teaming and failover policy.
- C. Verify that the Distributed Switch has been configured with a Network Profile.
- D. Verify that Network I/O control for Management Traffic is configured for the highest share value.

Correct Answer: AB

To manage the networking of your vSphere environment by using a vSphere Distributed Switch, you must associate hosts with the switch. You connect the physical NICs, VMkernel adapters, and virtual machine network adapters of the hosts to the distributed switch.

Prerequisites

Verify that enough uplinks are available on the distributed switch to assign to the physical NICs that you want to connect to the switch.

Verify that there is at least one distributed port group on the distributed switch.

Verify that the distributed port group have active uplinks configured in its teaming and failover policy.

Reference: [https://pubs.vmware.com/vsphere-60/index.jsp?topic=%](https://pubs.vmware.com/vsphere-60/index.jsp?topic=%2Fcom.vmware.vsphere.networking.doc%2FGUID-E90C1B0D-82CB-4A3D-BE1B-0FDCD6575725.html)

[2Fcom.vmware.vsphere.networking.doc%2FGUID-E90C1B0D-82CB-4A3D-BE1B-0FDCD6575725.html](https://pubs.vmware.com/vsphere-60/index.jsp?topic=%2Fcom.vmware.vsphere.networking.doc%2FGUID-E90C1B0D-82CB-4A3D-BE1B-0FDCD6575725.html)

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**QUESTION 14**

When attempting to access a virtual machine, an administrator is unable to login using the vSphere credentials.

What two options are probable causes of the authentication failure? (Choose two.)

- A. The vSphere credentials have not been granted permissions.
- B. The vSphere credentials are granted read-only permissions.
- C. The vSphere credentials are granted no-access permissions.
- D. The vSphere credentials are not a member of the local administrator group.

Correct Answer: AB

While the details of authentication and authorization differ between ESX/ESXi and vCenter Server, the model itself is the same for both system. It relies on privileges, roles, and permissions.

Reference: [https://pubs.vmware.com/vsphere-50/index.jsp?topic=%2Fcom.vmware.wssdk.pg.doc\\_50%2FPG\\_Ch6\\_Authenticate\\_Authorize.8.3.html](https://pubs.vmware.com/vsphere-50/index.jsp?topic=%2Fcom.vmware.wssdk.pg.doc_50%2FPG_Ch6_Authenticate_Authorize.8.3.html)

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**QUESTION 15**

Which type of Adapter does not require vmkernel networking?

- A. Independent Hardware iSCSI Adapter
- B. Dependent Hardware iSCSI Adapter
- C. Software iSCSI Adapter
- D. Software FCoE Adapter

Correct Answer: A

Independent Hardware iSCSI adapter does not require vmkernel networking.

Reference: <https://pubs.vmware.com/vsphere-55/index.jsp?topic=%2Fcom.vmware.vsphere.storage.doc%2FGUID-C476065E-C02F-47FA-A5F7-3B3F2FD40EA8.html>