

# vSphere 6 Foundations Exam

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### Question 1

By default, each ESXi 6.x host is provisioned with a certificate from which root certificate authority?

#### Options:

- A. RedHat Certificate Authority
- B. VMware Certificate Authority
- C. DigiCert Certificate Authority
- D. Verisign Certificate Authority

**Answer: B**

#### Explanation:

In vSphere 6.0 and later, the VMware Certificate Authority (VMCA) provisions your environment with certificates. This includes machine SSL certificates for secure connections, solution user certificates for authentication to vCenter Single Sign-On, and certificates for ESX hosts that are added to vCenter Server. Reference <https://pubs.vmware.com/vsphere-60/index.jsp?topic=%2Fcom.vmware.vsphere.security.doc%2FGUID-3AF7757E-A30E-4EEC-8A41-28DA72102520.html>

### Question 2

Which vSphere 6.x feature will allow an organization to utilize native snapshots?

#### Options:

- A. Virtual Volumes
- B. Virtual SAN
- C. VMFS3
- D. VMFS5

**Answer: A**

**Explanation:**

Virtual Volumes has the following characteristics:

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Virtual Volumes supports offloading a number of operations to storage hardware. These operations include snapshotting, cloning, and Storage DRS.

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With Virtual Volumes, you can use advanced storage services that include replication, encryption, deduplication, and compression on individual virtual disks.

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Virtual Volumes supports such vSphere features as vMotion, Storage vMotion, snapshots, linked clones, Flash Read Cache, and DRS.

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With Virtual Volumes, storage vendors can use native snapshot facilities to improve performance of vSphere snapshots.

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You can use Virtual Volumes with storage arrays that support vSphere APIs for Array Integration (VAAI).

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Virtual Volumes supports backup software that uses vSphere APIs for Data Protection (VADP). Reference [https://kb.vmware.com/selfservice/microsites/search.do?language=en\\_US&cmd=displayKC&externalId=2113013](https://kb.vmware.com/selfservice/microsites/search.do?language=en_US&cmd=displayKC&externalId=2113013)

**Question 3**

Which two components can be used when configuring Enhanced Linked Mode? (Choose two.)

**Options:**

- A. vCenter Server Appliance
- B. vRealize Operations Manager
- C. vSphere Management Appliance
- D. vCenter Server for Windows

**Answer: A, D**

**Explanation:**

With Enhanced Linked Mode, you can connect not only vCenter Server systems running on Windows but also many vCenter Server Appliances. You can also have an environment where multiple vCenter Server systems and vCenter Server Appliances are linked together.

Reference <https://pubs.vmware.com/vsphere-60/index.jsp?topic=%2Fcom.vmware.vsphere.install.doc%2FGUID-91EF7282-C45A-4E48-ADB0-5A4230A91FF2.html>

#### Question 4

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

**Options:**

- A. vSphere Foundation Essentials Plus
- B. vSphere Standard
- C. vSphere Enterprise
- D. vSphere Enterprise Plus

**Answer: D**

**Explanation:**

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>

#### Question 5

An administrator is installing vCenter Server for an environment that has 40 ESXi 6.x Hosts and 150 virtual machines.

Which database would meet the minimal requirements needed for this task?

**Options:**

- A. vFabric Postgres
- B. Microsoft SQL Express 2008
- C. Microsoft SQL Server 2014
- D. Oracle 11g

**Answer: C**

**Explanation:**

For 40 ESXi 6.x hosts and 150 virtual machines, you can install Microsoft SQL server 2014 because it can handle the amount of data required for that many hosts and virtual machines.  
Reference: [https://www.vmware.com/files/pdf/solutions/SQL\\_Server\\_on\\_VMware-Best\\_Practices\\_Guide.pdf](https://www.vmware.com/files/pdf/solutions/SQL_Server_on_VMware-Best_Practices_Guide.pdf)

## Question 6

Which vSphere 6 Standard Edition feature will allow an organization to ensure that critical multi-threaded applications have the maximum possible uptime?

**Options:**

- A. Fault Tolerance
- B. High Availability
- C. Distributed Resource Scheduler
- D. App HA

**Answer: B**

**Explanation:**

High availability is a permanent feature of vSphere 6 standard edition and it allows critical multi-threaded applications to get maximum possible uptime.

## Question 7

What information is required as part of an interactive ESXi 6.x installation?

**Options:**

- A. Keyboard layout
- B. IP Address
- C. Root password
- D. DNS information

**Answer: A**

**Explanation:**

Keyboard layout is required for interactive ESXi 6.x installation

Reference: <http://www.unixarena.com/2015/05/how-to-install-vmware-vsphere-6-0-esxi.html>

## Question 8

An administrator is performing an interactive installation of ESXi 6.x.

Which three options are available for installation? (Choose three.)

**Options:**

- A. DVD

- B. USB
- C. PXE
- D. Scripted
- E. Auto Deploy

**Answer: A, B, C**

**Explanation:**

You can install ESXi 6.x using DVD drive, USB flash drive or PXE.

Reference: [https://kb.vmware.com/selfservice/microsites/search.do?language=en\\_US&cmd=displayKC&externalId=2109708](https://kb.vmware.com/selfservice/microsites/search.do?language=en_US&cmd=displayKC&externalId=2109708)

### Question 9

An administrator has just completed performing an interactive installation of ESXi 6.x and is booting the host.

How is the network initially configured?

**Options:**

- A. The network is configured by Automatic Private IP Addressing (APIPA).
- B. The network is configured based on the settings detected in DNS.
- C. The network is configured with the address as specified in the installer.
- D. The network is automatically configured by DHCP.

**Answer: D**

**Explanation:**

Network is automatically configured by DHCP

Reference: <https://pubs.vmware.com/vsphere-60/topic/com.vmware.ICbase/PDF/vsphere-esxi-vcenter-server-60-installation-setup-guide.pdf>

### Question 10

An administrator is creating a new vSphere Distributed Switch that will be utilized with a specific vSphere Cluster. The cluster itself contains a mix of ESXi 5.x and 6.x Hosts.

Which Distributed Switch version should be created to support this configuration?

**Options:**

- A. Distributed Switch: 6.0.0
- B. Distributed Switch: 5.0.0

C. Distributed Switch: 5.1.0

D. Distributed Switch: 5.5.0

**Answer: B**

**Explanation:**

Option	Description
vSphere Distributed Switch Version: 4.0	Compatible with ESX/ESXi version 4.0 and later. Features released with later switch versions are not supported.
vSphere Distributed Switch Version: 4.1.0	Compatible with ESX/ESXi version 4.1 and later. Features released with later switch versions are not supported.
vSphere Distributed Switch Version: 5.0.0	Compatible with ESXi version 5.0 and later. Features released with later versions are not supported.
vSphere Distributed Switch Version: 5.1.0	Compatible with ESXi version 5.1 and later.

Reference: <https://pubs.vmware.com/vsphere-51/index.jsp?topic=%2Fcom.vmware.vsphere.networking.doc%2FGUID-09176C71-1748-460B-BB7B-3671AB855D7E.html>

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