Exam Code: 210-015

Exam Name: VCE Vblock System Deployment and Implementation – Virtualization

Exam A

QUESTION 1
You are working with a customer to enable VMware Fault Tolerance on a number of virtual machines and you encounter the error shown below on one of them.
The Fault Tolerance configuration of the entity SalesVM has an issue Fault Tolerance not supported by host hardware What is the cause for this error?

A. Fault Tolerance requires that the hosts for the primary and secondary virtual machines use the same type of CPU.

B. This virtual machine is on a host that is not in a vSphere HA cluster or it has had vSphere HA disabled.

C. Fault Tolerance is only supported on specific processors and BIOS settings with Hardware Virtualization enabled.

D. The virtual machine is running VMI kernel and is paravirtualized.

Correct Answer: C
Section:

QUESTION 2
Which three configurable settings are available directly through the DCUI? (Choose three.)

A. IP address

B. date

C. firewall ports

D. hostname

E. VLAN ID

Correct Answer: A, D, E
Section:

QUESTION 3
A customer has recently acquired some new Cisco UCS B440 M3 blades to install in their existing Vblock System. You are asked to add these new blades to the existing vSphere cluster and to ensure full compatibility with the existing environment.
Which action must you perform?

A. Enable EVC mode with a feature set of the existing CPU level to ensure compatibility with the new blades.

B. Enable EVC mode with a feature set of the newer CPU level to ensure compatibility with the existing blades.

C. Disable VMware HA prior to adding the new blades to the cluster.

D. Modify the limit CPUID value advanced setting on the existing blades to ensure compatibility with the new blades.

Correct Answer: A
Section:

QUESTION 4
You ordered additional SAS drives to increase the capacity of your Vblock System 300.
What is the VCE recommended RAID configuration?

A. RAID1 (4+4)

B. RAID5 (4+1)

C. RAID6 (6+2)

D. RAID5 (7+1)

Correct Answer: B
Section:

QUESTION 5
What is the proper sequence when upgrading the Cisco Nexus 1000V switch module?

A. 1. Upload new VEM code to bootflash.
   2. Install new Cisco Nexus 1000V bin.
   3. Verify the upgrade using the show install all status command.

B. 1. Upload new VSM code to bootflash.
   2. Install new Cisco Nexus 1000V bin.
   3. Verify the upgrade using the show version command.

C. 1. Upload the new VSM code to a USB drive.
   2. Install new Cisco Nexus 1000V bin.
   3. Verify the upgrade using the show install all status command.

D. 1. Upload the new VEM code to a USB drive.
   2. Install a new Cisco Nexus 1000V bin.
   3. Verify the upgrade using the show version command.

Correct Answer: A
Section:

QUESTION 6
During the deployment of a Vblock System 320, the customer stresses the importance of network security and states that they would like to have a VM scan and capture all packets on the virtual switch to which it is connected.
Which security policy should you set?

A. jumbo frame

B. MAC address change

C. promiscuous

D. port scan

Correct Answer: C
Section:

QUESTION 7
What is the standard size of an ESXi boot LUN for a Vblock System 300?

A. 5 gigabytes

B. 15 gigabytes

C. 20 gigabytes

D. 50 gigabytes

Correct Answer: C
Section:

QUESTION 8
You are asked to restore a virtual machine from a SAN array snapshot.
Which two actions must you perform to present the LUN to the ESXi host to make the data available? (Choose two.)

A. Force mount the copy of the LUN if you are sure the original is not in use.
B. Resignature the copy of the LUN if the original is still in use.
C. Restore the LUN to the ESXi host.
D. Add the copy of the LUN to the ESXi host using the format option.

Correct Answer: A, B
Section:

QUESTION 9
You are adding an NFS volume to an ESXi host.
Which three steps are required? (Choose three.)

A. Create a vmkernel interface on the ESXi host.
B. Create a network label to identify the connection.
C. Choose the NFS folder name in the format volmountsdatastore1.
D. Choose Network File System as the storage type.
E. Assign a VSAN to the vmkernel interface.

Correct Answer: A, C, D
Section:

QUESTION 10
Click the Exhibit button.
After scanning a host for compliance in VMware Update Manager you receive the message shown in the exhibit.

Host Upgrade Scan Messages for the Cisco Nexus 1000V network switch

Host Upgrade Scan Message

The upgrade does not contain any Cisco Nexus
1000V software package that is compatible with
the Cisco Nexus 1000V software package on the
host. Upgrading the host will remove the
feature from the host.

What is the reason for the message?

A. The VEM VIB in the ESXi 5.x upgrade image is not compatible with the version of the VSM.
B. A VEM VIB is not available in the ESXi 5.x upgrade image.
C. The host and the image do not contain VEM VIBs, but the host is still listed in vCenter Server as managed by Cisco Nexus 1000V.
D. There was a problem with determining compatibility between the VEM VIB in the ESXi 5.x upgrade image and the VSM.

Correct Answer: B
Section:

QUESTION 11
A DNS server is not reachable from the vCenter server. Which file would you need to modify to communicate properly with the vCenter infrastructure?

A. networks
B. lmhosts.sam
C. services
D. hosts

Correct Answer: D
Section:

QUESTION 12
During the deployment of a Vblock System, it was discovered that the Cisco Nexus 1000V VSM virtual machines were residing upon the same vSphere host in the AMP.
To comply with VCE best practices for separating the Cisco Nexus 1000V VSM virtual machines, what is missing?

A. VMware HA virtual machine startup policy
B. VMware DRS Rules
C. VMware DRS Admission Control
D. VMware DRS Automation Level

Correct Answer: B
Section:

QUESTION 13
vSphere high availability has been configured on a host cluster containing four hosts. All virtual machines reside on Host 1 and Host 2. You want to ensure virtual machines will automatically be migrated to attain the best use of resources.
In the GUI, which action must be completed at the host cluster level to accomplish this task?

A. Enable DPM.
B. Enable Fault Tolerance.
C. Enable vMotion.
D. Enable vSphere DRS.

Correct Answer: D
Section:

QUESTION 14
Your client wants all required storage space for the virtual disk to be allocated at creation time. The data remaining on the physical device should be zeroed out when the virtual disk is created.
Which storage provision type will allow you to meet your client's requirements?

A. thick LUN provisioning, eager zeroing
B. thin LUN provisioning, eager zeroing
C. thin LUN provisioning, lazy zeroing
D. thick LUN provisioning, lazy zeroing

Correct Answer: A
Section:

QUESTION 15
In a standard Vblock System 300 configuration with two vHBAs, a single SAN fabric has failed.
How will the hosts be impacted?

A.   Both vHBAs will lose a single path to all storage devices on that SAN fabric.

B.   A single vHBA will lose all paths to some of the storage devices on that SAN fabric.

C.   A single vHBA will lose all paths to all storage devices on that SAN fabric.

D.   Both vHBAs will lose a single path for some of the storage devices on that SAN fabric.

Correct Answer: C
Section:

QUESTION 16
You are implementing 32 new UCS B230 M3 blades into an existing Vblock System with 16 blades. After powering the new blades on, and migrating them to the Cisco Nexus 1000V, you notice that half of the new blades no longer respond to any network traffic.
What is the cause?

A.   There is insufficient vSphere licensing to license the new hosts.

B.   There is insufficient Cisco licensing to license the new hosts.

C.   The network drivers need to be updated.

D.   The Cisco Nexus 1000V is limited to 32 hosts.

Correct Answer: B
Section:
Explanation:
Still Valid.

QUESTION 17
When installing the virtual Ethernet module (VEM) for a Nexus 1000V, which two software installation methods would be used for ESXi host configuration? (Choose two.)

A.   Install with the VMware Update Manager (VUM).

B.   Install the VIB remotely using the esxcli.

C.   Install the VEM from the OVF template.

D.   Install the VIB using the Nexus 1000V Web interface.

Correct Answer: A, B
Section:

QUESTION 18
A new VLAN has been configured on your Nexus 1000V for VM data traffic on VLAN 202 using the following commands.
vlan 202
name datavlan-202
port-profile type vethernet VM-DATA-202
vmware port-group
switchport mode access
switchport access vlan 202
no shutdown
max-ports 512

state enabled
After deploying a virtual machine on the new VLAN, connectivity outside of this network does not appear to work.
Which action will resolve the problem?

A. Apply the system VLAN attribute.

B. Use the switchport mode trunk command.

C. Add VLAN to the uplink port-profile configuration.

D. Increase default port count.

Correct Answer: C
Section:

QUESTION 19
Which vCenter feature is used by vCenter Update Manager (VUM) when patching ESXi servers?

A. vSphere DRS

B. Fault Tolerance

C. Storage vMotion

D. vSphere HA

Correct Answer: A
Section:

QUESTION 20
What are two requirements when customizing a Linux virtual machine that has been deployed from a template? (Choose two.)

A. VMware Tools must be installed.

B. The IP address must be assigned.

C. Perl must be installed.

D. Python must be installed.

Correct Answer: A, C
Section:

QUESTION 21
Active Directory (AD) is integrated on host ESXi01. You want to give some users an administrator role.
To which group should the users be added?

A. the ESX Admins group

B. the Server Admin Active Directory group

C. the ESX group

D. the Admins group

Correct Answer: A
Section:

QUESTION 22

The PowerPathVE rpowermt server cannot reach a previously licensed ESXi host.
Which two statements are true? (Choose two.)

A. Multipathing functionality continues to be available on that host and IO continues to be load- balanced across all available paths.
B. The multipathing policy is automatically reset to Basic Failover (BF) during the period that communication is not available.
C. A new PowerPathVE license will need to be applied to the ESXi host after communication is restored.
D. No changes to the PowerPathVE configuration can be made until connectivity is restored.

Correct Answer: A, D
Section:

QUESTION 23
Which three Path Selection Policies (PSP) are available by default in vSphere version 5.1? (Choose three.)

A. least block
B. fixed
C. Most Recently Used (MRU)
D. CLARiion OPTimized (CLAROPT)
E. round robin (RR)

Correct Answer: B, C, E
Section:

QUESTION 24
What are three approved VCE security guidelines for use in the Vblock System? (Choose three.)

A. Ensure that the vpxuser auto-password change meets policy.
B. Disable SSL for Network File Copy (NFC).
C. Enable the ESXi firewall on all hosts.
D. Configure the remote Syslog for VMware ESXi hosts.
E. Use independent nonpersistent disks.

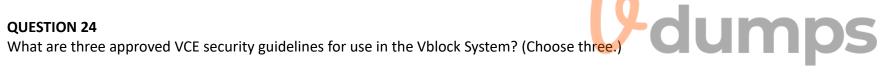**Correct Answer: A, C, D**
Section:

QUESTION 25
You are working with a customer that has just implemented vCenter 5.1 and Single Sign-On in their Vblock System. After the upgrade, the customer is now unable to logon to vCenter using user accounts in the Sales domain. User accounts in the Corp domain continue to log in as expected, but are not able to configure Single Sign-On.
Which two explanations describe the behavior that the customer is experiencing? (Choose two.)

A. By default, users in the local operating system Administrators group can log in to the vSphere Web Client and vCenter Server. These users cannot configure Single Sign-On or view the Single Sign-On management interface in the vSphere Web Client.
B. By default, the vCenter Single Sign-On administrator user is admin@System-Domain. This user can log in to the vSphere Web Client to configure Single Sign-On and add accounts to manage Single Sign-On if necessary. This user cannot view or configure vCenter Server.
C. If you are logged in as a domain account user, the default Active Directory identity sources are discovered automatically during vCenter Single Sign-On installation. If you are logged in as a local account user, Active Directory identity sources are not discovered automatically during vCenter Single Sign-On installation.
D. The local operating system (localhost or hostname) users are added as an identity source.

Correct Answer: A, C
Section:

QUESTION 26
In which two situations does a USB device reconnect to a VM automatically with USB auto connect enabled? (Choose two.)

A. The USB device is unplugged from the host then plugged back into the same USB port.
B. The USB device is unplugged from the host then plugged into a different USB port.
C. The device is mutating identity during usage.
D. The virtual machine is powered off.

Correct Answer: A, C
Section:

QUESTION 27
Which CDDVD connection mode would be used only for remote client device access?

A. Emulate IDE
B. Host Device
C. Passthrough IDE (raw)
D. Data store ISO File

Correct Answer: C
Section:

QUESTION 28
Which three disk formats would be used on an NFS data store? (Choose three.)

A. thin
B. thick
C. 2gbsparse
D. eagerzeroedthick
E. rdmp

Correct Answer: A, B, C
Section:

QUESTION 29
During a deployment of a Vblock System 320, the customer has requested the installation of multiple third-party management virtual machines in the AMP. After multiple days of monitoring and data collection, the vCenter server and its respective database server stop responding.
What would cause the problem?

A. Thin provisioned disk format caused the data store to run out of space.
B. The NFS.HeartbeatTimeout parameter was set too high.
C. The vCenterVirtualCenter.VimPasswordExpirationInDays parameter expired.
D. The third-party application services have stopped responding.

Correct Answer: A
Section:

QUESTION 30
A single ESXi host becomes disconnected from vCenter and will not reconnect. When troubleshooting, you remove the host from vCenter and it will not rejoin. You contact Support and are asked to upload the vm-support bundle from the host for review. The host does not have connectivity to a shared data store, but you can SSH into the host.
Which procedure would you use to generate and retrieve the vm-support bundle?

A. In vCenter, Click the File Export Export System Logs, select the desired host, select the components and performance data, browse to the download location, and select Finish to complete.

B. From the console session, run the vm-support -f -w vmfsvolumesDATASTORE_NAME command.

C. Launch a streaming SSH session using the ssh root@ESXHostnameOrIPAddress vm-support -s vm-support-Hostname.tgz command.

D. Use the vSphere Web Client and connect to the host using httpsusernamevCenterFQDNcgi- binvm-support.cgi.

Correct Answer: C
Section:

QUESTION 31
A VM on the Vblock System 320 is unable to communicate on the customer network. When examining the virtual machine, you notice it has the same port group as the other VMs on the same ESXi server.
Which action must you perform to resolve the problem?

A. You must reboot the VM.

B. You must restart the network agents on the ESX server.

C. You must verify that the VM's network adapter is connected.

D. You must install the Nexus 1000V agent on the virtual machine.

Correct Answer: C
Section:

QUESTION 32
When cloning or creating a virtual machine, storage DRS generates the fault Operation not allowed in the current state.
What will resolve this problem?

A. Increase IO latency in the storage DRS cluster settings.

B. Set storage DRS automation mode to manual.

C. Increase the storage DRS utilization space.

D. Temporarily disable affinity rules while the operation is running.

Correct Answer: D
Section:

QUESTION 33
A virtual machine appears as orphaned in the virtual infrastructure client but is online and functioning normally over the network.
Which procedure would be used to recover the VM with no down time?

A. Delete the virtual machine from the disk, connect directly to a host with the vSphere client, and import the VMX file into the inventory.

B. Use the vSphere client to connect to the host that the virtual machine is registered to and vMotion the virtual machine to another host.

C. vMotion the orphaned virtual machine to another host that can access the data store where the virtual machine's files are located.

D. Delete and re-create a new virtual machine with the same name, guest OS, and IP address.

Correct Answer: C
Section:

QUESTION 34
In a Vblock 320 Unified Networking environment, a UCS service profile is unable to locate its boot device.
Which two statements are valid troubleshooting steps? (Choose two.)

A. Verify that the targets in the SAN boot policy match the zoning and the masking on the array.
B. Verify that the vHBAs are logging into the SAN fabrics by examining the Fabric Login (FLOGI) database on the Cisco MDS switches.
C. Verify that PowerPathVE can see all paths to the device.
D. Verify that the vHBAs are logging into the SAN fabrics by examining the Fabric Login (FLOGI) database on the Cisco Nexus 5000 series switches.

Correct Answer: A, D
Section:
Explanation:
Answer is Modified.

QUESTION 35
Your organization is setting up IP-based storage.
Which type of network interface is required to configure your ESXi host to use this storage?

A. host bus adapter interface
B. NAND-based flash storage
C. vMotion interface
D. vmkernel interface

Correct Answer: D
Section:

QUESTION 36
The ESXi 5.0 servers appear to have hardware problems after you have powered up the Vblock System 320. You want to view the log files for the ESXi servers.
What are two ways to accomplish this task? (Choose two.)

A. Use the Technical Support Mode CLI.
B. Use the vSphere Client.
C. Use Powershell.
D. Use the Service Console.

Correct Answer: A, B
Section:

QUESTION 37
While using the vSphere Client, you are experiencing high latency between issuing a search and obtaining a response from one of the four vCenter servers configured for LinkedMode. When using the vSphere Web Client, the inventory tree does not load properly and often shows objects out of date.
How would you improve the troubleshooting process

A. Update the logging level in vCenter to verbose, and restart the vCenter services.

B. Update the logging level for the Inventory Service to TRACE, and restart the Inventory Service.

C. Update the ESXi logging level to verbose, and restart the host.

D. Update the logging level for the Inventory Service to verbose, update the vCenter service to verbose, and restart all the services.

Correct Answer: B
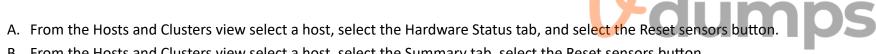**Section:**

QUESTION 38
The Advanced Management POD (AMP) ESXi cluster is performing much slower than expected.
Which command would you use to investigate the slow response in real time?

A. esxtop

B. esxcfg-info

C. vmkfstools

D. vm-support

Correct Answer: A
Section:

QUESTION 39
You want to reset hardware sensors in the vSphere client connected to vCenter.
Which statement describes how to accomplish this task?

A. From the Hosts and Clusters view select a host, select the Hardware Status tab, and select the Reset sensors button.

B. From the Hosts and Clusters view select a host, select the Summary tab, select the Reset sensors button.

C. Select a virtual machine on the host, install the VMware tools, and reboot the host.

D. Hardware status can only be reset from the command line.

Correct Answer: A
Section:

QUESTION 40
You power on a Vblock System 320 and look at the Maps tab of an ESXi server in vCenter's Hosts And Clusters view and see an ESXi server with a red "x" over it.
What is causing the ESX server problem?

A. The server has crashed.

B. The server is an unsuitable candidate for migration.

C. The data store is out of space.

D. The server is rebooting.

Correct Answer: B
Section:

QUESTION 41
While reviewing the Vblock System 320 configuration, you verify the physical NIC mode is configured for failover for a teamed vSwitch.
Which mode would be used to configure the NICs?

A. active

B. passive

C. promiscuous

D. unused

Correct Answer: A
Section:

QUESTION 42
You want to configure vMotion on a virtual switch in a Vblock System 320.
Which network configuration is required?

A. Create an uplink port group, assign a unique IP address and subnet number, and select the Use This Port Group For vMotion option box.

B. Create a VMkernel port group on the network management virtual switch, and assign a unique IP address and subnet number.

C. Create a VMkernel port group on the virtual machine network, and assign a unique IP address and subnet number.

D. Create a VMkernel port group, assign a unique IP address and subnet number, and select the Use This Port Group For vMotion option box.

Correct Answer: D
Section:

QUESTION 43
Which ESXi CLI command is used when installing VIB files on an ESXi host?

A. esxcfg vib install

B. esxcli system vib install

C. vicfg-module vib install

D. esxcli software vib install

Correct Answer: D
Section:

QUESTION 44
An ESXi host is running a licensed version of PowerPathVE. A single path to a PowerPathVE- controlled device is lost.
Which two statements are true? (Choose two.)

A. The time required to restore a failed path on a heavily loaded system is less than the time required on a lightly loaded system.

B. After the path has been repaired, PowerPathVE will automatically restore the path and resume IO down the path.

C. The only way to restore a failed path is with the rpowermt restore CLI command.

D. The periodic testing of live and dead paths is low priority for PowerPathVE.

Correct Answer: B, D
Section:

QUESTION 45
A customer questions the VCE recommended security guideline of disabling the ability to shrink a virtual disk from within the virtual machine.
Which statement accurately represents the potential outcomes of this guideline?

A. The use of this ability can result in the loss of user data inside the virtual machine disk file.
B. The use of this ability can result in increased host resource utilization, reducing the resources available to other virtual machines.
C. The repeated use of this ability can cause the virtual disk to become unavailable during the shrink process, effectively causing a denial of service.
D. Disabling this ability prevents the reclamation of free space on thin-provisioned disk files.

Correct Answer: C
Section:

QUESTION 46
A customer calls complaining that their CDDVD drive is no longer accessible on their virtual server. After investigating, you notice their virtual server is configured for VMware Fault Tolerance enabled.
Which condition would cause this situation to occur?

A. The secondary node has Connect at power on disabled.
B. The secondary node has Use a physical drive selected.
C. The source ISO is not on shared storage.
D. The auto detect option is not selected.

Correct Answer: C
Section:

QUESTION 47
Which operating system requires additional binaries to apply virtual machine customization

A. Microsoft Windows 2008
B. Microsoft Windows 7
C. Microsoft Windows 2003
D. Red Hat Linux

Correct Answer: C
Section: