

# EMC

## Exam E20-547

### VNX Solutions Specialist Exam for Storage Administrators

Version: 8.3

[ Total Questions: 203 ]

**Topic 1, Volume A****Question No : 1 - (Topic 1)**

A Windows Server 2008 host is connected to a VNX series array, using dual FC adapters and running PowerPath 5.5 software. What is the correct ALUA failover mode for this host?

- A. Mode 0
- B. Mode 1
- C. Mode 2
- D. Mode 4

**Answer: D**

**Question No : 2 - (Topic 1)**

After presenting a LUN to a Linux host, which utility is used to configure a partition?

- A. fdisk
- B. Disk Management
- C. Unisphere Server Utility
- D. Unisphere Service Manager

**Answer: A**

**Question No : 3 - (Topic 1)**

Where is the CHAP iSCSI username and password stored on a RedHat 4 host?

- A. /etc/iscsi.conf
- B. /etc/iscsi/iscsi.conf
- C. /etc/init.d/iscsi.conf
- D. /etc/init.d/iscsi/iscsi.conf

**Answer: A**

**Question No : 4 - (Topic 1)**

Which failover software is strongly recommended for a host attached to a VNX array?

- A. PowerPath
- B. MPIO
- C. DMP
- D. ALUA

**Answer: A**

**Question No : 5 - (Topic 1)**

Which criterion must be met before executing the storagepool –destroy command with Navisphere Secure CLI?

- A. Complete removal of all LUNs from the pool
- B. Complete removal of unused LUNs from the pool
- C. Complete removal of large LUNs from the pool
- D. Complete removal of empty LUNs from the pool

**Answer: A**

**Question No : 6 - (Topic 1)**

What is an advantage of the VAAI feature when provisioning an ESXi host from a VNX array?

- A. Some workload can be offloaded from the host to the array freeing up host resources
- B. vCenter can directly communicate with the array to discover capabilities and monitor health
- C. Hosts automatically register initiators with the array and optimize initiator configuration
- D. Array connectivity is automatically load balanced and protected from path failures

**Answer: A**

**Question No : 7 - (Topic 1)**

In which order is a File System made available to clients on the network through NFS?

- A. Create the FS, Mount the FS on the Data Mover, Export the File System, Create a mountpoint on client, mount the export on the client
- B. Make sure NFS service is running, Create the FS, Mount the FS on the Data Mover, Add a computer name, mount export on client
- C. Make sure NTP service is running, Export the File System, mount the export on the client
- D. Make sure NTP service is running, Create the FS, Mount the FS on the Data Mover, Export the File System, mount the export on the client

**Answer: A**

**Question No : 8 - (Topic 1)**

A storage administrator has provisioned storage to a server, but only some of the LUNs are visible to the host.

What would explain why some LUNs appear to be missing?

- A. The 'missing' LUNs were not added to the storage group.
- B. The host initiators are not logged into the array.
- C. The disk alignment has not been set to the 1 MB boundary.
- D. The host agent is not connected to the storage system.

**Answer: A**

**Question No : 9 - (Topic 1)**

Which statement is true about metaLUNs?

- A. Private LUN expansion is unsupported on metaLUNs.
- B. Expansion of metaLUNs by striping provides instant additional space to a host.
- C. MetaLUNs simplify the design and implementation process.
- D. MetaLUNs are supported by traditional RAID groups and pools.

**Answer: A**

**Question No : 10 - (Topic 1)**

What is the maximum number of characters you can use for a VNX Block Only Storage Processor Hostname?

- A. 15 characters
- B. 10 characters
- C. 20 characters
- D. 25 characters

**Answer: A**

**Question No : 11 - (Topic 1)**

A storage administrator is preparing to provision storage for a data warehouse application. What can the administrator do to maximize application performance?

- A. Use SAS drives to create a RAID 5 RAID Group with High Bandwidth Reads enabled.
- B. Use EFD drives to create a RAID 5 RAID Group with High Bandwidth Reads enabled.
- C. Choose 1024 block stripe element size when binding LUNs.
- D. Choose 128 block stripe element size when binding LUNs.

**Answer: A**

**Question No : 12 - (Topic 1)**

What default option does a newly created file system have when it is NFS exported?

- A. R/W
- B. R/W/X
- C. R/O
- D. R/X

**Answer: A**

**Question No : 13 - (Topic 1)**

An administrator tries to modify the quota settings on a CIFS share using a Windows 2000 server, but the Quota tab does not exist in the network drive properties. What could be a

possible cause?

- A. Exporting is implemented at the file system subdirectory level on VNX OE for File.
- B. Windows users cannot modify the quota settings.
- C. The user does not have administrator privileges on this share.
- D. Quotas can be managed only with Windows 2003 or Windows 2008.

**Answer: A**

**Question No : 14 - (Topic 1)**

What occurs after data compression of a RAID-group LUN?

- A. Source LUN is unbound from the RAID-group.
- B. The LUN is defragmented.
- C. Freed space is returned to the storage pool.
- D. Host I/O is restarted

**Answer: A**

**Question No : 15 - (Topic 1)**

During the installation process of a VNX for Block and File system, you are prompted to change passwords for the default accounts.

Which user password can be changed?

- A. sysadmin
- B. storageadmin
- C. admin
- D. administrator

**Answer: A**

**Question No : 16 - (Topic 1)**

What are features of VNX Snapshots?

- A. Uses redirect on first write.  
Lower write performance impact.
- B. Uses copy on first write.  
Supported with pool-based LUNs.
- C. Uses redirect on first write.  
Supported with all LUN types.
- D. Uses copy on first write.  
Does not require reserve LUN pool.

**Answer: A**

**Question No : 17 - (Topic 1)**

Which two protocols can be used for DNS communication on a Data Mover?

- A. TCP and UDP
- B. TCP and ICMP
- C. UDP and ICMP
- D. UDP and TLS

**Answer: A**

**Question No : 18 - (Topic 1)**

How do storage pool thick LUNs affect capacity?

- A. A storage pool thick LUN uses slightly more capacity than the amount of user data written
- B. A storage pool thick LUN uses less capacity than the amount the server operating system sees
- C. Capacity of a storage pool thick LUN uses the same capacity as the server operating system sees
- D. Capacity of a storage pool thick LUN uses less user capacity than a traditional LUN

**Answer: A**

**Question No : 19 - (Topic 1)**

What is the correct VNX Block – based VAAI operation?

- A. Array Accelerated Full Copy
- B. Array Accelerated Bulk copy
- C. Thick Lun Provisioning
- D. Pause and Resume

**Answer: A**

**Question No : 20 - (Topic 1)**

When creating a SnapView session, where can a consistent start occur?

- A. On multiple source LUNs
- B. On multiple target LUNs
- C. On multiple reserved LUNs
- D. On multiple private LUNs

**Answer: A**

**Question No : 21 - (Topic 1)**

What is a critical capacity consideration when configuring traditional RAID Groups on a VNX array?

- A. Larger RAID 5 groups maximize the capacity available
- B. Larger RAID 6 groups maximize the capacity available
- C. Smaller RAID 6 groups maximize the capacity available
- D. Smaller RAID 5 groups maximize the capacity available

**Answer: A**

**Question No : 22 - (Topic 1)**

In a VNX Unified system, how can the lost+found and etc directories be hidden from the client when exporting a file system?



- A. Export the file system at the subdirectory level and not the root file system
- B. Use FDISK to mark the partition active prior to exporting
- C. Leave the Root Hosts section empty when exporting
- D. Select the Host Access Read-only check box prior to exporting.

**Answer: A**

**Question No : 23 - (Topic 1)**

What is a critical performance and availability consideration when configuring traditional RAID Groups on a VNX array?

- A. Larger RAID 5 groups have increased risk to availability and higher IO throughput
- B. Larger RAID 5 groups have decreased risk to availability and lower IO throughput
- C. Smaller RAID 5 groups have increased risk to availability and lower IO throughput
- D. Smaller RAID 5 groups have decreased risk to availability and higher IO throughput

**Answer: A**

**Question No : 24 - (Topic 1)**

Which feature integrates VNX storage provisioning management within vCenter?

- A. Virtual Storage Integrator (VSI)
- B. VMware Aware Storage API (VASA)
- C. vStorage API for Array Integration (VAAI)
- D. VNX Unisphere Service Manager (USM)

**Answer: A**

**Question No : 25 - (Topic 1)**

What is indicated by a blue enclosure power LED on a 25-slot DPE?

- A. AC or DC power is applied and all outputs are in operating range.
- B. Any enclosure fault, including SP faults, has occurred.
- C. Any outputs or inputs are out of operating range.

D. The battery backup system is fully charged.

**Answer: A**

**Question No : 26 - (Topic 1)**

A storage administrator wants to enable data compression on inactive backup volumes that are configured on storage pool LUNs.

How does VNX data compress storage pool LUNs?

- A. Storage pool LUNs are compressed in place.
- B. Storage pool LUNs are migrated to a new storage pool LUN with the compression attribute enabled.
- C. VNX does not support compression of storage pool LUNs.
- D. Storage pool LUNs are migrated to a new RAID-group LUN with the compression attribute enabled.

**Answer: A**

**Question No : 27 - (Topic 1)**

A Linux host has been set up and successfully connected to the VNX array, but the local administrator cannot issue CLI commands.

What is a possible explanation of this behavior?

- A. The local administrator was not added to the host agent configuration file
- B. The host is only connected to one SP on the VNX array.
- C. The host agent must be stopped for the utility to work.
- D. Linux iSCSI CHAP data was entered on the target, but not the initiators.

**Answer: A**

**Question No : 28 - (Topic 1)**

Where can the VNX Snapshot parameters be configured?