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**Vendor:**EMC

**Exam Code:**E20-885

**Exam Name:**VNX Solutions Expert Exam for  
Implementation Engineers

**Version:**Demo

### QUESTION 1

You are implementing a VNX solution for a Windows-only host environment. The customer tells you that current host performance is poor, and that the new solution should improve it by at least 50%.

Which tool should you use to begin your investigation?

- A. Performance Monitor
- B. Unisphere Analyzer
- C. IOmeter
- D. server\_stats

Correct Answer: A

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### QUESTION 2

A SAN administrator creates a SAN Copy session between two EMC VNX using Navisphere Secure CLI for a single database LUN. The session starts copying but fails to complete. What is the most likely cause of this failure?

- A. The destination LUN is smaller than the source LUN.
- B. A host has mounted the LUN on the destination VNX.
- C. LUN masking has not been completed.
- D. Zoning between the two VNX is incorrect.

Correct Answer: A

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### QUESTION 3

When creating a clone, what size must the clone be when compared to source LUN?

- A. Half the size of the source LUN
- B. Same size of the source LUN
- C. Two times larger than the source LUN
- D. Four times larger than the source LUN

Correct Answer: D

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### QUESTION 4

Two new EMC VNX were implemented at a customer's primary and backup sites. Each VNX has a single active Data

Mover. Multiple VDMs are configured on both VNX, each with a CIFS file system. The default mapping solution was implemented in a primary-secondary configuration.

The customer completes a security audit and then observes new user authentication fails on the secondary site. Which TCP/UDP port is being blocked by the firewall?

- A. 12345
- B. 443
- C. 23
- D. 8088

Correct Answer: A

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#### **QUESTION 5**

How many VNX arrays can be used to source replication volumes for a single RP/SE cluster using vRPAs?

- A. One
- B. Unlimited, as long as a license file is installed for each VNX
- C. Two, with no constraints
- D. Two, as long as the amount of data replicated does not exceed the amount licensed

Correct Answer: A

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#### **QUESTION 6**

A customer has two EMC VNX, one at the primary site and the other at a DR site located 100 km away. The WAN connection between sites is a 100 Mb/s dark fiber link with 4 ms latency.

A previous storage administrator configured the pool LUNs for the file system on thin LUNs. The file system is growing at a rate of 500 GB per week and is on a VDM. The new storage administrator reports performance issues with the file system. What is the most likely reason for the performance issue?

- A. Thin LUNs are used for the file system.
- B. The WAN link should be upgraded to an eLAN.
- C. The VNX system requires an upgrade.
- D. The file system has too many concurrent users connected.

Correct Answer: A

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#### **QUESTION 7**

A customer is using SAN Copy to migrate data between two EMC VNX. They use Navisphere Secure CLI to manually select the source and destination LUNs for the SAN Copy session. The source LUN is 419430400 blocks in size, with 367001600 blocks used for data. They select a destination LUN that is 367001600 blocks in size. The SAN Copy session starts, but fails to complete. What is the most likely cause for this SAN Copy session behavior?

- A. The source and destination LUNs do not have the same block count.
- B. The source LUN is already being replicated to a different destination LUN.
- C. The source and destination LUNs are not the same RAID type.
- D. The destination LUN needs to have a smaller block count than the source LUN.

Correct Answer: A

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#### QUESTION 8

A customer has implemented RecoverPoint/CDP to replicate their Oracle database environment. They must be able to recover the database in the event corruption occurs during replication. What action do you recommend to ensure a point-in-time recoverability of the database?

- A. Back up the control file to trace
- B. Copy the control file to a different LUN
- C. Use SnapView snapshots to protect the control files
- D. Copy the redo logs to a different LUN

Correct Answer: A

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#### QUESTION 9

A customer is concerned about performance on their EMC VNX. The VNX provides storage for several Windows and UNIX application servers. By monitoring the switches, they notice heavy traffic between the servers and the VNX. On the VNX, the hard disks seem to be heavily accessed.

The customer wants to know if the operation rate is well balanced between the disk volumes. Which compound server\_stats command will provide the needed information?

- A. cifsOps-std
- B. diskVolumes-std
- C. nfsOps-std
- D. metaVolumes-std

Correct Answer: B

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#### QUESTION 10

You are installing a new VNX and need to implement a Storage Pool on the array. Disks are available and must be set up as follows: 10, 400 GB SSD in R10 (4+4) for the Extreme Performance tier 13, 600 GB + 15K SAS R10 (4+4) for the Performance tier 12, 4 TB NL-SAS R6 (14+2) for the Capacity tier

Disks for FAST Cache, Vault, and unbound disks for sparing, are allocated separately.

How should you lay out the private RAID groups?

- A. Extreme Performance tier: 1 R10 (4+4) + 1 R10 (1+1) Performance tier: 2 R5 (4+1) + 1 R5 (2+1) Capacity tier: 1 R6 (10+2)
- B. Extreme Performance tier: 1 R10 (5+5) + 2 unbound Performance tier: 2 R5 (4+1) + 1 R5 (2+1) Capacity tier: 1 R6 (10+2)
- C. Extreme Performance tier: 1 R10 (4+4) + 1 R10 (1+1) Performance tier: 2 R5 (4+1) + 1 R5 (2+1) Capacity tier: 1 R6 (4+2) + 1 R6 (4+2)
- D. Extreme Performance tier: 1 R10 (4+4) + 2 unbound Performance tier: 2 R5 (4+1) + 1 R5 (2+1) Capacity tier: 1 R6 (4+2) + 1 R6 (4+2)

Correct Answer: A

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#### QUESTION 11

A customer has two EMC VNX configured to replicate between sites. Each VNX has dual Control Stations. The primary Control Station at the source site fails at 6 p.m. and reboots. At 8

- A. m., the customer completes DR testing and observes that CIFS replication does not failover to the target site VNX. Why does CIFS replication not failover to the target VNX during the DR test?
- B. Control stations should be set up using IP aliasing.
- C. Control stations should be set up using IP Jumbo Frames.
- D. Control stations have different software revisions.
- E. Control stations have different duplex settings.

Correct Answer: A

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#### QUESTION 12

A customer wants to deploy an Exchange 2010 farm doing 8,400 IOPS with a R/W ratio of 1/1. The total amount of space needed is 7,500 GB.

What would you recommend the storage configuration to be?

- A. A pool consisting of five 100 GB eMLC Flash drives, and 30 drives of 300 GB 15K in RAID 5, with FAST-VP enabled
- B. A pool consisting of five 100 GB eMLC Flash drives in RAID 5, and 20 drives of 300 GB 15K in RAID 5, with FAST-VP enabled
- C. A pool consisting of 120 drives of 300 GB 15K, in RAID 5 (4+1)

D. A pool consisting of 120 drives of 600 GB 15K, in RAID 5 (4+1)

Correct Answer: A