

100% Money Back
Guarantee

Vendor: EMC

Exam Code: E20-885

Exam Name: VNX Solutions Expert Exam for
Implementation Engineers

Version: Demo

QUESTION 1

A customer wants to replicate a CIFS environment from a legacy EMC Celerra to a new EMC VNX. Users are able to access CIFS shares from both arrays. The CIFS shares are on different networks and replication is not running. The customer wants to make sure there will be no network restrictions preventing replication between the data movers on two different networks. What TCP ports should they ask the network team to open?

- A. 8888, 8887, 5081
- B. 80, 443, 8080
- C. 5057, 445, 5087
- D. 23, 25, 22

Correct Answer: A

QUESTION 2

A customer recently upgraded from vSphere v4.x to vSphere v5.0 to benefit from new VMFS-5 features for their existing `DataStore1` and `DataStore2` datastores on an EMC VNX. A second identically configured VNX was implemented and the customer created two additional datastores on the new VNX.

After monitoring the environment, the customer notices the VMs on `DataStore1` and `DataStore2` are not using the same sub-block structure as the two new datastores. What is the reason for this behavior?

- A. The old VMs are on an upgraded VMFS-5 datastore.
- B. The old VMs are still running old VMware tools.
- C. The new VMFS-5 features need to be licensed and activated.
- D. The new VMFS-5 cannot support two VNX storage systems.

Correct Answer: A

QUESTION 3

A storage administrator reports they are unable to configure SAN Copy connections between two VNX. The required cabling is in place and zoning is correct, but the SP connections still do not appear in Unisphere Manager. What could have caused this issue?

- A. SAN Copy is not installed on both VNX arrays.
- B. SAN Copy is only licensed for local copies.
- C. The SP ports are already being used by hosts.
- D. Both VNX arrays are not in the same domain.

Correct Answer: D

QUESTION 4

A Pool used for FAST VP has the following configuration:

Flash drives: 1,000 GB, with 1,000 GB free
SAS drives: 5,000 GB, with 2,500 GB free
NL-SAS drives: 20,000 GB, with 11,500 GB free

The tiering policy is set to Auto. An additional 600 GB of new data is written to the Pool. What is the data distribution after the data is written?

- A. Flash drives: 960 GB free SAS drives: 2,400 GB free NL-SAS drives: 11,040 GB free
- B. Flash drives: 400 GB free SAS drives: 2,500 GB free NL-SAS drives: 11,500 GB free
- C. Flash drives: 900 GB free SAS drives: 2,000 GB free NL-SAS drives: 11,500 GB free
- D. Flash drives: 970 GB free SAS drives: 2,350 GB free NL-SAS drives: 11,080GB free

Correct Answer: A

QUESTION 5

You are planning a CIFS DR solution for two existing EMC VNX. Each VNX has dual Control Stations. Each VNX is also configured for a RecoverPoint protection solution on other VNX LUNs that are non-file related. What recommendation would you give the customer concerning the CIFS DR solution?

- A. Configure IP aliasing on the Control Stations for both source and destination VNX systems before configuring VNX Replicator
- B. Configure IP aliasing on the Control Stations for both source and destination VNX systems after configuring VNX Replicator
- C. Configure IP aliasing on the source VNX system Control Stations before configuring VNX Replicator, and then configure IP aliasing on the destination VNX system Control Stations after configuring VNX Replicator.
- D. Configure IP aliasing on the source VNX system Control Stations before configuring VNX Replicator and use RecoverPoint to provide protection of the source VNX Control Stations to the destination VNX.

Correct Answer: A

QUESTION 6

A customer recently purchased an EMC VNX to be connected to four ESXi 5.0 hosts via FC. Five of the associated VMs (virtual machines) are running SQL Server 2008 R2. To avoid contention, the customer wants the VM's database and log drives on separate datastores. Which ESXi 5.0 feature would satisfy this requirement?

- A. Network interface card teaming
- B. Virtual Machine Anti-Affinity
- C. Raw Device Mappings
- D. VMDK Affinity

Correct Answer: B

QUESTION 7

An administrator is attempting to vMotion a VM from one vSphere ESXi 5.0 host to another. The ESXi servers are connected to three VNX arrays on the fabric. The vMotion fails. What is the most likely reason?

- A. RDMS are attached to the VM with different host LUN numbers on the ESXi servers.
- B. There are active SnapView sessions on the VM preventing the vMotion.
- C. RDMS are in physical compatibility mode and not eligible for vMotion.
- D. There are active MirrorView sessions on the VM preventing the vMotion.

Correct Answer: A

QUESTION 8

A customer requires an asynchronous DR solution for an NFS-only client environment. The customer wants the solution to be simple to implement. It was recommended they create a single NIS domain, and use several NIS servers to provide centralized authentication to the NFS clients at both the source and destination sites. The customer asks you whether they should consider using VDMs in this environment. What do you advise?

- A. VDMs would offer no advantages to this environment.
- B. VDMs allow VMWare integration of NFS service environments.
- C. VDMs eliminate the need for Usermapper in NFS environments.
- D. VDMs allow for assignment of specific CPUs to a NFS server.

Correct Answer: A

QUESTION 9

A customer has an Oracle ASM database on an EMC VNX with FAST Suite enabled. They observe

intermittent performance degradation due to momentary data hot spots caused by bursty transaction rates. What recommendation would you make to help alleviate these hot spots?

- A. Enable Fast VP on the ASM LUNs
- B. Modify the ASM rebalance power priority
- C. Enable Fast Cache on the ASM LUNs
- D. Disable ASM storage management

Correct Answer: C

QUESTION 10

A customer has a Windows-only environment connected to an EMC VNX for File at their main campus site. The customer plans to install a new EMC VNX at a remote branch office site. The new VNX will be used to implement a DR solution for their main campus VNX using several deduplicated file systems shared and available to clients via CIFS.

Which solution do you recommend to the customer?

- A. Use VNX Replicator to replicate the VNX VDMs and associated file systems from the main campus site to the VNX system at the branch office site to provide an asynchronous DR solution.
- B. Use VNX Replicator to replicate the VNX VDMs and associated file systems from the main campus site to the VNX system at the branch office site to provide a synchronous DR solution.
- C. Use VNX SAN Copy to replicate the VNX block devices associated with the VNX file systems from the main campus site to the VNX system at the branch office site to provide a synchronous DR solution.
- D. Use VNX MirrorView/A to replicate the VNX block devices associated with the VNX file systems from the main campus site to the VNX system at the branch office site to provide an asynchronous DR solution.

Correct Answer: A

QUESTION 11

A system administrator wants to migrate medical-imaging data stored on an EMC VNX. The host connects to the VNX via iSCSI. The IP SAN infrastructure has recently been updated to support 1 Gb/10 GB switching. The system administrator wants to maximize data transfer performance. What would you recommend?

- A. Implement 10 Gb/s iSCSI connection using a 9000 byte frame.
- B. Use a 4 KB memory page size.
- C. Implement 10 Gb/s iSCSI connection using a 2400 byte frame.
- D. Increase the write-aside value.

Correct Answer: A

QUESTION 12

A customer has a CIFS DR solution with EMC VNX using a One-to-Many replication topology. The customer asks you to explain replication behavior under the following conditions:

- Production site failover or switchover to a DR site
- Replication start and reverse is performed

What would you advise the customer?

- A. The original production site remains a One-to-Many replication source for the other remaining DR sites.
- B. All remaining replications sessions to the other DR sites are suspended.
- C. The original production site goes into cascade mode to remain a replication source for the remaining DR sites.
- D. The DR site becomes the replication source for the remaining DR sites and the original production site is marked as invalid.

Correct Answer: C

QUESTION 13

Click on the calculator icon in the upper left-hand corner.

A SQL database requires 1,000 I/O per second with 85% reads and 15% writes. If RAID 1/0 is used, what is the total number of spindles required to generate the required I/O per second?

- A. Ten 10K drives
- B. Four 15K drives
- C. One Flash drive
- D. Fourteen 7.2K drives

Correct Answer: A

QUESTION 14

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 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. The control station of the primary VNX should have been failed back.
- C. The control station of the second VNX should have been failed over.
- D. The control station of the primary VNX should have IP bounding enabled.
- E. The control station of the secondary VNX should have IP bounding enabled.

Correct Answer: A

QUESTION 15

A customer has two identically configured Linux hosts (OS version, memory, CPU) attached to the same network. One host is NFS-attached and the other is FC-attached to an EMC VNX. Both the NFS file systems and the SAN LUNs are created from four RAID 5 (4+1) RAID groups. LUNs are not shared between file and block.

The customer reports NFS-attached host is able to achieve much greater throughput via NFSv4 versus the FC-attached host.

What is the source of the performance difference between the file and block configurations?

- A. FC encapsulation overhead
- B. I/O size
- C. Host Patch levels
- D. NFS version

Correct Answer: B

QUESTION 16

A client has an EMC VNX configured with four storage ports, four 15-drive DAEs (disk array enclosures) and a total of forty drives (20 NL-SAS and 20 SAS drives). The client is using RAID 5 (4+1) RAID groups with a traditional LUN configuration.

What is the recommended SAS LCC port configuration for optimal performance?

- A. Distribute drives evenly across all ports
- B. Distribute drives on all odd ports
- C. Distribute drives on all even ports
- D. Distribute drives on a single port

Correct Answer: A

QUESTION 17

A customer requests a performance review of their EMC VNX before FAST Cache is implemented. You

notice a dedicated LUN has a write size of 4 KB, and the disks are performing writes of 8 KB. What is causing this behavior?

- A. Coalescing
- B. Pre-fetching
- C. Flushing
- D. Promotion

Correct Answer: A

QUESTION 18

A customer has two identically configured Linux hosts (OS version, memory, CPU) attached to the same network. One host is NFS-attached and the other is FC-attached to an EMC VNX. Both the NFS file systems and the SAN LUNs are created from four RAID 5 (4+1) RAID groups. LUNs are not shared between file and block and each host generates the same size I/O.

The customer reports the FC-attached host is able to achieve much greater throughput than the NFS-attached host.

What is the source of the performance difference between the file and block configurations?

- A. FC encapsulation overhead
- B. Host Patch levels
- C. Ethernet Network
- D. NFS version

Correct Answer: C

QUESTION 19

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

QUESTION 20

A customer plans to connect ESXi 5.0 hosts to a new EMC VNX array. They want to take advantage of the hardware-assisted locking feature in VAAI. Which is a feature of hardware-assisted locking?

- A. Locking at the block level of a logical unit
- B. Locking the LUN instead of the block level
- C. Accessing a block from multiple hosts at the same time
- D. Automatic enabling of safe data caching

Correct Answer: A

QUESTION 21

A customer wants to create a file system for a highly sequential application. They plan to use the EMC VNX AVM feature to create the file system, using the clarsas_archive pool in a RAID 5 (4+1) configuration. They want to know how much data is being written to each dvol in the pool entry. Which property would they examine?

- A. stripe length
- B. block size
- C. queue depth
- D. stripe depth

Correct Answer: D

QUESTION 22

You are planning a CIFS DR solution with an EMC VNX for File. The customer wants to use LACP (Link Aggregation Control Protocol) on the Data Movers to provide additional network redundancy for the solution.

What do you advise the customer regarding Data Mover interfaces and CIFS servers for the DR solution?

- A. Identical interface names must be used on the source and destination VNX systems.
- B. Identical interface IP addressing is required for the source and destination VNX systems.
- C. The CIFS server interface is an object that gets replicated with the Virtual Data Mover.
- D. The Virtual Data Mover will use any available interface on the Data Mover for the CIFS server.

Correct Answer: A

QUESTION 23

A customer has a production CLARiiON replicating to a secondary CLARiiON at a remote site using MirrorView/S. The customer wants to upgrade to new EMC VNX, but due to cost constraints, they can only upgrade one of the CLARiiON arrays at this time.

How do you advise the customer?

- A. A mirror relationship cannot exist between CLARiiON and VNX LUNs.
- B. Replication between faster ports and slower ports is not supported.
- C. Storage pool LUNs cannot mirror to RAID group LUNs.
- D. VNX can only replicate to other VNX arrays.

Correct Answer: A

QUESTION 24

Which LUN type presents more storage to an application than is physically allocated?

- A. Thick LUN
- B. Thin LUN
- C. RLP LUN
- D. Clone Private LUN

Correct Answer: B

QUESTION 25

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

The customer wants to identify which application server workload type may be causing the observed behavior. What compound server_stats command do you suggest?

- A. cifs-std and nfs-std
- B. cifsOps-std and nfsOps-std
- C. diskVolumes-std and netDevices-std
- D. cifs and nfs

Correct Answer: A

QUESTION 26

Exchange 2010 is installed on a virtual machine using VMDK files. Replication Manager is being used to take snapshots of the virtual machine files and back them up to disk. After a few weeks, the Exchange server stops functioning.

What is the most likely reason for the Exchange failure?

- A. Replication Manager is unable to truncate log files.
- B. Replication Manager can only snapshot powered off VMs.
- C. Replication Manager is compatible with RDMs, not VMDKs.
- D. Replication Manager is not compatible with VMFS version 5.

Correct Answer: A

QUESTION 27

A customer configures SnapView clones on their EMC VNX. A 512 GB clone is fractured for 5 minutes. The source LUN performs fifty 16 KB random writes per second. The clone resynchronization is configured to 6 MB/s. How long will it take to resynchronize the clone?

- A. 21.0 minutes
- B. 35.0 minutes
- C. 10.5 minutes
- D. 60.0 minutes

Correct Answer: C

QUESTION 28

You are deploying Exchange 2010 using a VMware virtualized infrastructure. A large VMFS partition will support the operating system binaries for four mailbox servers. RDM devices will be used for all database and log volumes. All partitions on the RDMs have been created using Windows Disk Manager.

During deployment verification, you populate a database with test data and attempt to create a backup of it using Replication Manager. The replica creation fails with an error. What is the cause?

- A. The RDMs were created in virtual mode.
- B. The vSphere client was used to create the VMFS partitions.
- C. The ESX 'maxlun' parameter has been exceeded.
- D. Replication Manager does not support VMFS volumes.

Correct Answer: A

QUESTION 29

A customer has vSphere v4.x hosts connected to an EMC VNX with thin provisioned pools. They report capacity shortages even after deleting or migrating some VMs. You recommend the customer upgrade their virtual environment to vSphere v5.0 to benefit from the new features and enhancements in VAAI. Which VAAI feature will address their issue?

- A. Dead Space Reclamation
- B. Thin Provisioning Stun
- C. Hardware Acceleration
- D. Hardware assisted locking

Correct Answer: A

QUESTION 30

Click on the calculator in the upper left-hand corner.

A company plans to migrate their 10 TB Oracle 10g database to a new EMC VNX with FAST Suite and

FAST Cache. What is the recommended minimum FAST Cache size that should be provisioned?

- A. 1 TB
- B. 500 GB
- C. 100 GB
- D. 200 GB

Correct Answer: B

QUESTION 31

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

QUESTION 32

A customer plans to implement and replicate CIFS on two new EMC VNX. The customer's existing environment recently suffered a long outage due to a computer virus. The customer wants to use CAVA in their new CIFS environment on VNX. Which configuration will satisfy this requirement?

- A. Create a Global CIFS Server on the physical Data Mover at the primary and DR sites.
- B. Configure the CAVA client on the Virtual Data Mover at the primary and DR sites.
- C. Configure the CAVA client on the VNX Control Station at the primary and DR sites.
- D. Create a Global CIFS Server on the Anti-Virus Engine at the primary and DR sites.

Correct Answer: A

QUESTION 33

A customer plans to virtualize their SQL databases on an EMC VNX. They are most concerned about database performance. How should they design the SQL layout?

- A. Distribute multiple SQL instances per VM
- B. Distribute one SQL instance per ESX server
- C. Distribute one SQL instance per VM
- D. Allocate all SQL instances to the VM with the most resources

Correct Answer: C

QUESTION 34

Click on the calculator in the upper left-hand corner.

An Exchange 2010 environment with 60% reads and 40% writes will be configured on an EMC VNX using RAID 1/0 15K SAS drives. The total I/O per second required is 3,000. Accounting for additional overhead for spikes, what is the number of spindles required?

- A. 32
- B. 24
- C. 30
- D. 28

Correct Answer: A

QUESTION 35

A customer has an existing DR solution using SRDF between Symmetrix at their source and backup sites. TimeFinder Clones are also used at the backup site. A new VNX is installed at the backup site. The customer tries to use Incremental SAN Copy to copy data updates from the TimeFinder Clone to live web server LUNs on the VNX. The customer reports they are not able to configure the SAN Copy session. Why does the customer need to rework this solution?

- A. The source for Incremental SAN Copy must be a TimeFinder BCV, and the server I/O needs to be stopped.
- B. The source for Incremental SAN Copy must be on the VNX, and the server I/O needs to be stopped.
- C. The source for Incremental SAN Copy must be on the source Symmetrix, and TimeFinder Snapshot needs to be used.
- D. The source for Incremental SAN Copy must be on the VNX, and the data needs to be pushed.

Correct Answer: B

QUESTION 36

A customer wants to reduce the performance impact incremental SAN Copy (ISC) has on their source LUN. They plan to use a clone between the current source and destination LUNs, and then use the fractured clone as the new ISC source LUN. The source LUN performs two hundred 4 KB random I/O per second, with a 1:1 read/write ratio.

The source LUN is 768 GB in size, and the clone will be fractured for five minutes. How much data will be copied to the destination LUN?

- A. 11,250 MB
- B. 22,500 MB
- C. 1,125 MB
- D. 4,800 MB

Correct Answer: A

QUESTION 37

A vSphere ESXi 5.0 server is connected to a VNX LUN with several virtual machines on VMFS datastores. An administrator wants to take a snapshot of one of the virtual machines on the LUN. Which method can be used?

- A. VM SnapShot
- B. SnapView SnapShot
- C. Storage vMotion
- D. MirrorView session

Correct Answer: A

QUESTION 38

An implementation engineer installs a DR solution to protect ten CIFS shares at site A. VNX Replicator will be used to replicate the shares from Site A to Site B. How many VDMs should be contained in this DR solution for maximum portability?

- A. 10
- B. 2
- C. 5
- D. 20

Correct Answer: D

QUESTION 39

A customer has a Windows-only environment connected to an EMC VNX for File at their main campus site. The customer plans to install a new EMC VNX at a remote branch office site. The new VNX will be used to implement a DR solution for their main campus VNX using VDMs and several quota-enabled file systems shared and available to clients via CIFS.

Which solution do you recommend to the customer?

- A. Use VNX Replicator to replicate the VNX VDMs and associated file systems from the main campus site to the VNX system at the branch office site to provide an asynchronous DR solution.
- B. Use VNX Replicator to replicate the VNX VDMs and associated file systems from the main campus site to the VNX system at the branch office site to provide a synchronous DR solution.
- C. Use VNX SnapView Clones to copy the VNX block devices associated with the VNX file systems from the main campus site to the VNX system at the branch office site to provide a synchronous DR solution.
- D. Use VNX MirrorView/A to copy the VNX block devices associated with the VNX file systems from the main campus site to the VNX system at the branch office site to provide an asynchronous DR solution.

Correct Answer: A

QUESTION 40

A customer creates an incremental SAN Copy (ISC) session for a 200 GB LUN on an EMC VNX. The session fails to start, and the customer notes the RLP (reserved LUN pool) contains 300 MB of storage. What action must be taken to get the session started?

- A. Increase the RLP storage to 30 GB.
- B. Deactivate the ISC snapshot.
- C. Enable the SnapView license.
- D. Restart the COFW service.

Correct Answer: A

QUESTION 41

A customer creates a Remote Mirror of a 1 GB RAID 5 pool LUN. The primary LUN is presented to a Windows storage group. The customer wants to add a Secondary Image to the Remote Mirror. The only LUNs available are 5 GB RAID 1/0 LUNs presented to a Linux storage group. The customer reports they are unable to add the Secondary Image. What do you advise?

- A. Secondary Image must be the same RAID type.
- B. Secondary Image must be the same capacity.
- C. Secondary Image must be in the same storage pool as the Primary Image.
- D. Secondary Image must be presented to the same host type.

Correct Answer: B

QUESTION 42

A storage administrator creates a new file system on their EMC VNX. They observe that the new file system does not perform as well as the first set of file systems they created. AVM was used to create all file systems using pool LUNs. All disks in the VNX are the same size and speed SAS drives.

When the storage administrator attempts to create another file system, using the same resources, the creation process fails. Why did the file system creation fail on the last attempt?

- A. AVM is unable to fulfill the file system creation request due to a lack of mapped pool resources.
- B. Thick and thin LUNs cannot be combined to fulfill the storage requirements.
- C. AVM requires that pool LUNs stripe five dvols together. Only four dvols were available.
- D. Thick and thin LUNs that were available to create the file system did not share the same service policy.

Correct Answer: A

QUESTION 43

A customer has recently installed ESXi 5.0 on a five host cluster attached to an EMC VNX using FCoE. EMC PowerPath/VE has been installed on all hosts in the cluster for load balancing. The customer wants to issue PowerPath commands to all the hosts from a Remote Management Server. Which server deployment will meet the customer's requirements?

- A. A Virtual Server running RHEL5U2 64-bit
- B. A Physical Host running Windows Server 2008
- C. A Virtual Server running RHEL5U2 32-bit
- D. A Virtual Appliance running RHEL5U2 64-bit

Correct Answer: A

QUESTION 44

A customer configures replication between two data movers for their VDM environment. The primary data mover has one 1 Gb copper ethernet port and the destination Data Mover has one 10 Gb optical network port. The customer completes a failover test and then remote clients report they are unable to access data. The customer requests your assistance. What is the most likely cause of the issue observed during failover test?

- A. The interface speeds do not match on both Data Movers
- B. The interface on the Data Movers have a Duplex mismatch
- C. The interface names do not match on both Data Movers
- D. The interface medium do not match between Data Movers

Correct Answer: C

QUESTION 45

A customer plans to place their SQL server transaction logs on an EMC VNX. The customer provides the following information about their SQL environment:

- Database block size is 8 KB
- Transaction log growth is 10 GB
- Performance sample period is 1 hour
- 15K SAS drives rated at 180 I/O per second each

What is the minimum number of physical disks required to support the information provided by the customer?

- A. Four disks configured as RAID 1/0 (2+2)
- B. Five disks configured as RAID 5 (4+1)
- C. Eight disks configured as RAID 1/0 (4+4)
- D. Four disks configured as RAID 5 (3+1)

Correct Answer: A

QUESTION 46

You are implementing SAN Copy for Linux hosts connected to an EMC VNX using FC and iSCSI connectivity. There are eight queued sessions and multiple applications contending for bandwidth. Which configurable SAN Copy feature would you recommend?

- A. Fibre Preferred
- B. SP Reboot
- C. LUN Trespass
- D. admhost

Correct Answer: A

QUESTION 47

A corporation has configured highly available CIFS file systems with VDMs. Replication is configured from a primary site to a secondary site. During testing, the VDM and user file systems switchover successfully, but 30 minutes later Windows clients still cannot access their shares. What is the most likely cause of this problem?

- A. VDMs are not configured on the secondary site.
- B. The CIFS service is not running on the secondary site.
- C. Source side file systems are not correctly sized.
- D. Source side VDM Replication licensing is not enabled.

Correct Answer: B

QUESTION 48

A customer configures SnapView clones on their EMC VNX. A 256 GB clone is fractured for 10 minutes. The source LUN performs fifty 32 KB random writes per second. The clone resynchronization is configured to 6 MB/s. How long will it take to resynchronize the clone?

- A. 10.5 minutes
- B. 21.0 minutes
- C. 35.0 minutes
- D. 60.0 minutes

Correct Answer: A

QUESTION 49

A shipping company tracks shipments and customer data using an Oracle 10g environment with ASM. There are several EMC VNX LUNs presented to Oracle. What ASM feature will help avoid hotspots?

- A. Spreads each file evenly across all disks within the disk group
- B. Automatically provisions storage pools for a VNX array
- C. Maintains database changes until it is written out to the redo log files on the disk
- D. A set memory structure and a number of system processes

Correct Answer: A

QUESTION 50

A company has two locations and wants to implement a DR solution for their Exchange databases. The following requirements factor into their SLA:

- Multi-application support.
- Continuous replication with zero data loss.
- Minimal replication load on application host.
- Support a distance of 60 km.

Which DR solution meets the SLA requirements?

- A. MirrorView/A
- B. DAG
- C. Sync-API
- D. RecoverPoint/S

Correct Answer: D

QUESTION 51

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

QUESTION 52

An ISP will provide infrastructure to clients as part of a cloud computing strategy. They are concerned about their storage requirements and supporting the many small customer environments targeted by their marketing campaign. Which feature of vSphere v5.0 would you discuss with them to address these concerns?

- A. The shared datastores can now support up to 100,000 files and a single file extent of 64TB.
- B. Each virtual machine will now be supported by a single swap file.
- C. Volume alignments need only be performed at the ESXi level and are no longer required at the guest OS.
- D. The number of SCSI disks has been increased to 128 local and 256 SAN devices.

Correct Answer: A

QUESTION 53

You review a Perfmon log that contains several days worth of data for a customer's SQL Server database LUN. The log contains both read and write I/O per second collected at 3-minute intervals.

What method should you use to determine the correct I/O per second target number for calculating the number of RAID corrected spindles?

- A. 75th percentile
- B. Overall Peak
- C. Overall Average
- D. 90th percentile

Correct Answer: D

QUESTION 54

Click on the calculator icon in the upper left-hand corner.

A customer is deploying an Exchange 2010 environment on an EMC VNX. There will be 30,000 mailboxes distributed across mailbox servers within a DAG (database availability group) that maintains three database copies. Each user sends approximately 350 messages per day. The customer wants to use 600 GB 15K drives in a RAID 5 group. How many spindles are needed to support the performance required for this Exchange environment?

- A. 197
- B. 132
- C. 158
- D. 175

Correct Answer: A

QUESTION 55

You configure an EMC VNX for iSCSI-attached Linux hosts. The customer's application generates small, random I/O and the data is frequently re-accessed. The customer has a limited number of flash drives available. Which VNX performance feature would you recommend?

- A. FAST Cache
- B. FAST VP
- C. MPFS

D. SNiiFFER

Correct Answer: A

QUESTION 56

Which part of the VNX initiates failover of a Blade?

- A. SP
- B. User
- C. Blade
- D. Control Station

Correct Answer: C

QUESTION 57

A customer configures a SAN Copy session. They connect to the destination storage system and select a destination LUN. When they run the SAN Copy session, it fails. What could be a cause of the session failure?

- A. SAN Copy ports are not configured.
- B. SAN Copy initiators are not configured.
- C. VNXs are not in the same domain.
- D. LUNs are not the same RAID type.

Correct Answer: A

QUESTION 58

You are installing a new EMC VNX. All flash drives will be provisioned for FAST Cache. The VNX has the following hardware:

- 6 DAEs
- 24 Flash drives
- 24 SAS drives
- 24 NL-SAS drives

How should the drives be physically located for better performance and stability?

- A. The Flash drives should be placed on DAE0 and DAE1, followed by the SAS drives, and then the NL-SAS drives
- B. The SAS drives should be placed on DAE0 and DAE1, followed by the Flash drives, and then the NL-SAS drives.
- C. The SAS drives should be placed on DAE0 and DAE1, followed by the NL-SAS drives, and then the Flash drives.
- D. The physical location of the drives does not affect the performance of a VNX.

Correct Answer: B

QUESTION 59

A customer is using MirrorView/S to replicate production data from Site A to Site C. The production Exchange server is located at Site A and has access to LUNs 101 and 102. LUNs 101 and 102 are placed in a consistency group. Site A experiences a disaster and Site C is now production. What configuration change is needed to allow the Exchange server access to Site C's LUNs 101 and 102?

- A. Promote the Secondary Image.
- B. Connect the Exchange server to the appropriate storage group.
- C. Add the Secondary Image to the appropriate storage group.
- D. Fracture the mirror.

Correct Answer: A

QUESTION 60

A customer plans to migrate from an EMC CLARiiON to a new EMC VNX. They want to migrate some of the CLARiiON LUNs to thin LUNs on the VNX. Which SAN Copy configuration will allow them to avoid a fully provisioned thin LUN?

- A. Push from thin LUN to thin LUN
- B. Pull from thin LUN to thin LUN
- C. Push from traditional LUN to thin LUN
- D. Pull from traditional LUN to thin LUN

Correct Answer: A

QUESTION 61

A client is planning a virtualized SQL Server environment with remote protection. They need virtual machine consistent, point-in-time copies of the database as backups. Which option meets this scenario?

- A. Raw Device Map and MirrorView
- B. Raw Device Map and VMHA
- C. VMFS vDisk and MirrorView
- D. VMFS vDisk and VMHA

Correct Answer: D

QUESTION 62

A customer runs a CAD/CAM application on an EMC VNX for File. The application is accessed by users at multiple sites. The users report degraded response during peak access periods.

Performance monitoring of the file system shows a higher than expected disk queue length and a higher than expected number of unused blocks pre-fetched. What is the likely cause of the performance issue?

- A. Multi-threaded sequential reads causing random access patterns
- B. Single-threaded sequential reads flooding cache
- C. Multi-threaded random reads degrading per-thread performance
- D. Single-threaded random reads overutilize pre-fetching

Correct Answer: A

QUESTION 63

A storage pool used for FAST VP has the following configuration:

Flash drives: 1,000 GB, with 500 GB free

SAS drives: 5,000 GB, with 1,500 GB free

NL-SAS drives: 19,000 GB, with 3,000 GB free

The tiering policy is set to Auto. An additional 250 GB of new data is written to the storage pool. What is the data distribution after the data is written?

- A. Flash drives: 475 GB free; SAS drives: 1,425 GB free; NL-SAS drives: 2,850 GB free
- B. Flash drives: 250 GB free; SAS drives: 1,000 GB free; NL-SAS drives: 3,000 GB free
- C. Flash drives: 500 GB free; SAS drives: 750 GB free; NL-SAS drives: 3,000 GB free
- D. Flash drives: 490 GB free; SAS drives: 950 GB free; NL-SAS drives: 2,810 GB free

Correct Answer: A

QUESTION 64

A VNX storage system has four 15-drive DAEs. There are fifteen flash drives installed in a single DAE. The customer plans to implement traditional LUNs for this configuration. What is recommended SAS LCC port configuration?

- A. Distribute flash drives on all odd ports
- B. Distribute flash drives on all even ports
- C. Distribute flash drives evenly across all ports
- D. Distribute flash drives on all ports in a single enclosure

Correct Answer: C

QUESTION 65

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

QUESTION 66

A customer uses Replication Manager Version 5 to make replicas of their Windows 2003 server. The customer installs a new Windows 2008 server and tries to mount the replica. The customer reports they cannot mount the replica to the new server. What is the likely issue?

- A. Windows 2003 data can only be mounted on Windows 2003 hosts.
- B. Replication Manager is not installed on the new server.
- C. Replication Manager only supports Windows 2003.
- D. Windows 2008 Replication License is installed.

Correct Answer: A

QUESTION 67

A customer has used the EMC VNX AVM feature to create a number of file systems. There are fourteen RAID 5 (4+1) LUNs presented to AVM as VNX disk volumes. After the file systems are complete, the customer notices that all file systems are built on one 4-element stripe set. What storage pool attribute may have caused this behavior?

- A. is_dynamic
- B. default_slice_flag
- C. is_greedy
- D. default_stack_size

Correct Answer: C

QUESTION 68

You plan to migrate from an EMC CLARiiON to an EMC VNX. The VNX will present CIFS shares to several Windows application hosts.

What tool would you use to test the performance metrics of the CIFS shares on the new VNX prior to the migration?

- A. Iometer
- B. Perfmon
- C. Analyzer
- D. Wireshark

Correct Answer: A

QUESTION 69

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

QUESTION 70

A customer has three production hosts connected to a VNX. Each host has two 150 GB LUNs in the same RAID 5 (4+1) RAID group. Replication Manager is configured to take SnapView snapshots of the production host LUNs for local backups using a dedicated backup host. The RLP (reserved LUN pool) is configured on the same RAID group as the production host LUNs. The customer reports there are performance slowdowns during backups. What is the best solution?

- A. Stop the snapshots, remove the LUNs from the RLP, create a new RAID 5 (4+1) group and new LUNs, and add the new LUNs to the RLP.
- B. Expand the source LUN RAID group to a RAID 5 (8+1) RAID group, and expand the sizes of the reserved LUNs to twice their original value.
- C. Create a new RAID 5 (4+1) RAID group, create new LUNs on the RAID group, and perform a LUN migration on the RLP LUNs to the new RAID group.
- D. Stop the snapshots, create a new RAID 1/0 (2+2) RAID group, create new LUNs on the new RAID group, and migrate the RLP to the new LUNs.

Correct Answer: A

QUESTION 71

A customer has several legacy servers running different Oracle versions. The legacy servers are not connected to shared storage. The customer wants to consolidate the legacy servers onto one new server to increase manageability, utilize the benefits of shared storage and replicate all database instances to a disaster recovery site.

What Oracle key benefit can be used to accomplish this?

- A. OFA with RecoverPoint
- B. OFA with SnapView
- C. ASM with VNX Replicator
- D. ASM with RecoverPoint

Correct Answer: A

QUESTION 72

You are planning an Exchange 2010 environment. The customer's environment has 500 users. On average, each user sends 90 and receives 60 messages daily. The average message size is 150 KB with 30 MB of logs per user per day. The Exchange administrator wants to retain five days of transaction logs. What is the minimum total log volume space that should be planned for?

- A. 125 GB
- B. 90 GB
- C. 225 GB

D. 175 GB

Correct Answer: D

QUESTION 73

A customer requests a performance review of their EMC VNX before FAST Cache is implemented. You notice a dedicated LUN has a read size of 4 KB, and the disks are performing reads of 4 KB and 16 KB. What is causing this behavior?

- A. Coalescing
- B. Pre-fetching
- C. Flushing
- D. Promotion

Correct Answer: B

QUESTION 74

A customer plans to migrate from a legacy IBM storage array with a new EMC VNX. Hosts connected to the legacy array are critical to the business and availability is the customer's number one priority. Which do you recommend the customer use to migrate to VNX?

- A. Open Migrator
- B. SAN Copy
- C. VNX Replicator
- D. Replication Manager

Correct Answer: A

QUESTION 75

A customer is implementing a DR solution for their CIFS file systems in an EMC VNX for File environment. The customer must ensure all configuration settings are available on the secondary site, in case of a disaster. Which VNX features need to be configured to meet the customer's DR requirements?

- A. CIFS, Usermapper and Replicator
- B. CIFS, VDMs and Replicator
- C. VDMs, Replicator and CAVA
- D. CIFS, CAVA and Replicator

Correct Answer: B

QUESTION 76

A customer runs Replication Manager on several VNX systems. They are concerned the replication process for the target LUNs is taking longer than anticipated. Which action should be taken?

- A. Verify that the clone synchronization rate for each VNX array in your replication environment is set to High.
- B. On the Advanced Replication Settings panel, set the version of the "Replica to be Replicated" field and select Most Recent.
- C. On the Advanced Replication settings panel, set the version of the "Replica to be Replicated" field and select Oldest.
- D. Select Details to see the log details generated during the job simulation.

Correct Answer: A

QUESTION 77

A customer is implementing ESXi 5.0 into their heterogeneous environment. Due to separation of duties, the networking and virtualization team must work together to minimize the risk of downtime due to misconfiguration. What ESXi feature can be implemented into the existing switch infrastructure to ease

To Read the [Whole Q&As](#), please purchase the [Complete Version](#) from [Our website](#).

Trying our product !

- ★ **100%** Guaranteed Success
- ★ **100%** Money Back Guarantee
- ★ **365 Days** Free Update
- ★ **Instant Download** After Purchase
- ★ **24x7** Customer Support
- ★ Average **99.9%** Success Rate
- ★ More than **69,000** Satisfied Customers Worldwide
- ★ Multi-Platform capabilities - **Windows, Mac, Android, iPhone, iPod, iPad, Kindle**

Need Help

Please provide as much detail as possible so we can best assist you.

To update a previously submitted ticket:



 One Year Free Update <p>Free update is available within One Year after your purchase. After One Year, you will get 50% discounts for updating. And we are proud to boast a 24/7 efficient Customer Support system via Email.</p>	 Money Back Guarantee <p>To ensure that you are spending on quality products, we provide 100% money back guarantee for 30 days from the date of purchase.</p>	 Security & Privacy <p>We respect customer privacy. We use McAfee's security service to provide you with utmost security for your personal information & peace of mind.</p>
---	---	--

[Guarantee & Policy](#) | [Privacy & Policy](#) | [Terms & Conditions](#)

Any charges made through this site will appear as Global Simulators Limited.

All trademarks are the property of their respective owners.

Copyright © 2004-2015, All Rights Reserved.