



Exam Code: e20-817

Exam Name: Symmetrix Business Continuity Expert Exam
for Storage Admins

Vendor: EMC

Version: DEMO

Part: A

1: A customer is experiencing degraded Exchange performance. The customer reported that there are no errors reported in syslog. What might have impacted the performance?

- A.SRDF was inadvertently switched from semi-synchronous mode to synchronous mode at some point. This resulted in I/O delays.
- B.SRDF was inadvertently switched from synchronous mode to semi-synchronous mode at some point. This resulted in I/O delays.
- C.The backup is being run on the mount host.
- D.The storage administrator executed the symrdf query command on the production host.

Correct Answers: A

2: A customer database is spread across many logical volumes and consistency groups have been built to enable restartable copies at the R2 side. The customer wants to test the restartable copy and you decide to do an explicit trip of the affected consistency group. What will this do?

- A.Remote BCV updates are stopped, leaving the BCVs in a consistent state as of the last transfer of information. Production data continues to replicate to the R2 devices.
- B.Remote BCV updates are suspended until the database is restarted, leaving the database in a consistent state as of the last transfer of information. Production data continues to be replicated by SRDF and the BCVs are updated once the database has been restarted.
- C.SRDF transfers to the R2 side are stopped, leaving the R2 volumes in a consistent state as of the last transfer of information. Production data continues to write to the R1 side.
- D.SRDF transfers to the R2 side are suspended until the database is restarted, leaving the database in a consistent state as of the last transfer of information. Production data continues to write to R1 and updates the R2 devices once the database has been restarted.

Correct Answers: C

3: A customer has an Oracle database on a DMX-3. They have been experiencing I/O errors causing corruption to their database. Which functionality could be implemented to reduce the number of errors?

- A.Double Checksum
- B.Generic SafeWrite
- C.Oracle 10g Flashback
- D.Oracle ASM

Correct Answers: A

4: Which statement best describes a RAID 1 data protection environment?

- A.Data block are replicated to a mirror device
- B.Data is mirrored to three or more additional devices
- C.Data is striped across multiple storage devices
- D.Uses a parity block to reconstruct a striped data set.

Correct Answers: D

5: A company has a five-node MSCS cluster running SRDF/CE with three nodes at the primary

site and two nodes at the secondary site. The sites are 10 km apart. Due to capacity requirement changes, additional storage is needed.

What must be done to the cluster after the storage configuration changes?

A.No action is required with MSCS after storage provisioning. All storage configuration updates are propagated automatically via the COM server to the cluster nodes.

B.SRDF/CE cluster requires use of the COM server that must be restarted after all configuration changes. Once a change is made to a node configuration, it will send out a message to all other cluster node members after the service restarts.

C.The clusters must be rebooted, and a complete rescan of the system bus is required. Any current patches should be applied at this time.

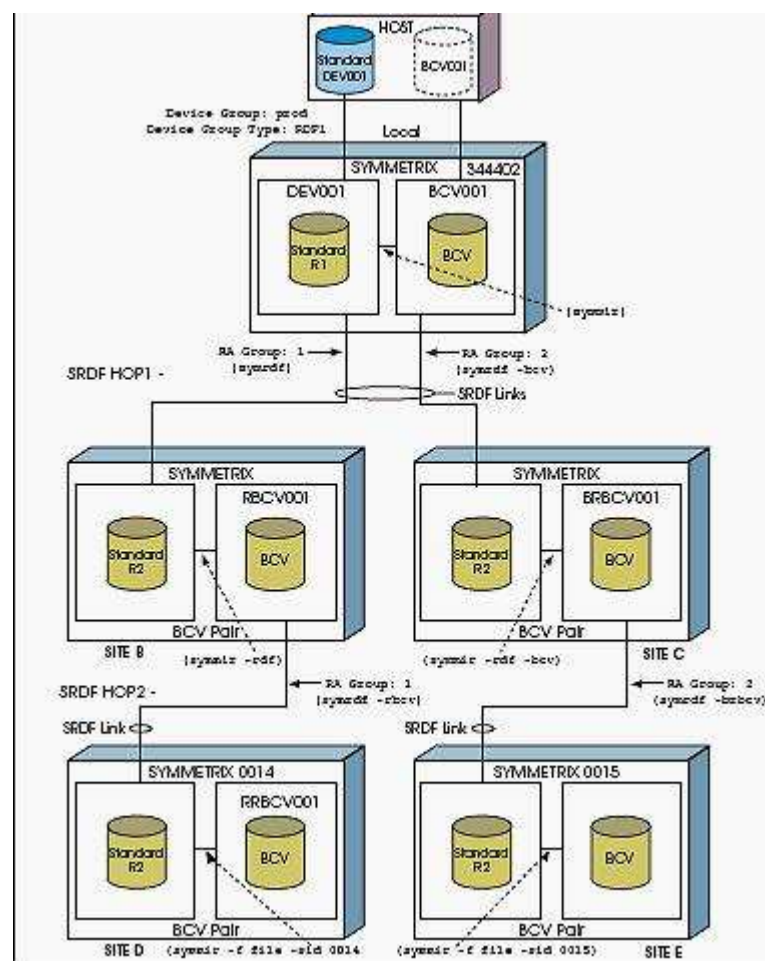
D.Update the SRDF/CE database by issuing a Symmetrix SRDF/CE Discover through the console or manually setting `symcli_db_file` to `srdfcesymapi.db` followed by the `symcfg discover` command.

Correct Answers: D

6: Click the Exhibit button.

A customer has a mission-critical Microsoft Exchange implementation. They have a multi-hop SRDF deployment and use TF/EIM to remotely back up Exchange. To protect the TF/EIM devices from being used by other applications, the customer is using long duration locks. The link between site C and E is currently down.

After the remote backup has been initiated, which device will be locked?



- A.Because the link is down between C and E, no device is locked
- B.The BRBCV at site C
- C.The RBCV at site B
- D.The RRBCV at site D

Correct Answers: B

7: A customer wants to implement a DR solution for their Microsoft Exchange 2003 SP2 environment. They are planning on using EMC's VSS provider. Which device in the SRDF configuration supports a VSS split?

- A.BRBCV device
- B.R1-BCV device
- C.R2 Standard device
- D.Standard device

Correct Answers: B

8: A customer has 10 TB of file systems residing on a DMX array. The customer needs to back them up at 8 A.M., 12 P.M., and 4 P.M.

On average, 5% of the files are changed per hour. With their existing tape backup system, it takes them approximately 6 hours to complete one backup cycle.

This customer has 10 TB of raw free storage on the same DMX array. The access performance of the file systems is not a primary concern.

With the existing storage and tape libraries, which solution will you implement to back up the 10 TB of file systems to tape libraries within the given backup window?

- A.Back up from the STD devices directly to tape libraries.
- B.Create a CLONE session with the opy option, and back up from the clone devices to tape libraries.
- C.Create BCV devices from the 10 TB available storage. Synchronize the BCVs with the STDs. Back up to the tape libraries from the BCVs.
- D.Create Snap devices, and back up from the Snap devices to tape libraries.

Correct Answers: D

9: You are planning to implement Exchange 2003 on a Symmetrix DMX 2000. What is an important consideration when planning the disk layout for the Exchange logs?

- A.RAID 1 or RAID 5
- B.RAID 5 or RAID 3
- C.Striped metavolume, (RAID 10) or RAID 5
- D.Striped metavolume, (RAID 10) or RAID 1

Correct Answers: D

10: You are designing a TimeFinder Exchange Integration Module (TEIM) solution to create local BCV replicas of Exchange 2003. Which requirement must be met?

- A.EMC VSS provider must be installed and enabled as part of the TimeFinder Integration Model for Exchange installation process.
- B.EMC VSS provider must be manually registered with VSSadmin provider option.

C.Eseutil must be installed on the Exchange server.

D.The Exchange checkpoint file for each storage group must be located on the same volume as one of the databases in that storage group.

Correct Answers: D