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**Exam** : **E20-814**

**Title** : Symmetrix Solutions Expert  
Exam for Storage  
Administrators

**Vendor** : EMC

**Version** : DEMO

NO.1 Storage administrators for a Symmetrix running Enginuity 5773 need to increase allocated storage for Microsoft Exchange LUNs without interrupting the mail server's operation. Performing a protected striped LUN expansion causes a critical nightly clone operation to run for hours instead of minutes. This impacts later dependent jobs, preventing production operations from completing. How can this impact to the nightly process be prevented?

- A.Set a QoS value of 8 for BCV Copy Pace
- B.Set a QoS value of 0 for BCV Copy Pace
- C.Set SPC value of 1 on the Exchange LUNs
- D.Set SPC value of 8 on the clone LUNs

**Answer: A**

NO.2 A company is using Replication Manager to backup their Microsoft Exchange 2010 environment using Microsoft Volume Shadow Service (VSS). Following a database corruption, the company wants to perform a database restore using Replication Manager from the previous night's backup. When trying to perform the restore, you receive a VSS error. What is the most likely reason for the VSS error?

- A.Exchange production host is using nested mount points
- B.Circular logging is disabled
- C.Database and transaction logs reside on separate volumes
- D.Each Exchange disk has a single partition

**Answer: A**

NO.3 You have been tasked with gathering performance data for a Microsoft SQL Server database that resides on a Symmetrix VMAX LUN. Which Perfmon counter must be used to collect the write IOPS metric?

- A.Physical Disk\Disk Writes/sec
- B.Physical Disk\Avg. Disk sec/Write
- C.Logical Disk\Avg. Disk Bytes/sec
- D.Logical Disk\Disk Write Bytes/sec

**Answer: A**

NO.4 An SRDF/Star user wants to move their workload from the current workload site to one of the target sites. Which operational step is necessary before executing the symstar halt command?

- A.Ensure that all host I/O is stopped
- B.Ensure that both targets are in the disconnected state
- C.Ensure that both targets are in the isolated state
- D.Execute a symstar switch command

**Answer: A**

NO.5 A host with an OLTP workload is configured with five standard devices on an EMC Symmetrix VMAX. In the host LVM, the storage is configured into a concatenated logical volume. The back-end storage consists of Fibre Channel disk drives. The host has two HBAs zoned to two FAs.

The workload hits a ceiling at around 66% of the peak workload requirements with high random reads. At peak times:

- Disk director % utilization is low
- Host port % utilization is low
- Disk I/O per second is low

Current write pending count is high  
What is a likely solution to this problem?

- A.Add striped metavolumes
- B.Add standard devices to the existing LVM volume
- C.Add more HBAs to the host
- D.Add more FAs to the storage devices

**Answer: A**

NO.6 What is the finest level of backup granularity provided by Replication Manager for Microsoft SQL Server?

- A.Database Filegroup
- B.Database Server
- C.Database Instance
- D.Database Table

**Answer: B**

NO.7 A company must deploy Symmetrix Access Control restricting access to hosts that belong to the ADMIN group. Which two default Symmetrix Access Control Entries (ACE) must be removed to restrict access to hosts that do not belong to the ADMIN group?

- A.BASE from group UnknwGrp for ALL devices.  
ALL from group UnknwGrp for non-pooled devices.
- B.BASECTRL from group UnknwGrp for ALL\_DEVS.  
ALL from group UnknwGrp for INPOOLS devices.
- C.HostID from group UnknwGrp for ALL\_DEVS.  
ALL from group UnknwGrp for INPOOLS devices.
- D.HostID from group UnknwGrp for ALL devices.  
ALL from group AdminGrp for non-pooled devices.

**Answer: A**

NO.8 When formatting Symmetrix volumes for use with Microsoft SQL Server online transaction processing databases, which allocation unit size should be selected?

- A.32K
- B.64K
- C.4096
- D.8192

**Answer: B**