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EMC EMC Certification

e20-845: Business Continuity Expert Exam for Implementation Engineers

Practice Exam: e20-845 Exams

Exam Number/Code: e20-845

Exam Name: Business Continuity Expert Exam for Implementation Engineers

Questions and Answers: 199 Q&As

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Exam : EMC E20-845

Title : Business Continuity Expert Exam for Implementation Engineers

1. A customer wants to split a BCV copy of the production database once a week and then use Clones of the BCV for testing.

Which operations are required to make a Clone usable by a host?

- A. Activate the Clone and split the Clone
- B. Establish the Clone and split the Clone
- C. Split the BCV, create the Clone, and activate the Clone
- D. Establish the BCV, create the Clone, and mount the Clone

Answer: C

2. A customer has an application that runs on a SQL Server 2000 database, and the information is stored on a DMX. The customer wants to make daily, local backups of the database using TSIM.

What action does the tsimsnap backup command perform to create this local copy?

- A. Establishes standard and BCV volumes
- B. Keeps track of the database backup history
- C. Requests the operator perform a SQL Server snapshot
- D. Flushes the filesystems used by the database and performs the BCV split

Answer: D

3. A customer wants to implement an Exchange 2003 "hot backup" solution on a DMX with TimeFinder Exchange Integration Module (TEIM) software. The Exchange Servers are running on Windows 2003.

When using TEIM which volume layout is required?

- A. Configure the data files and logs on the same volume
- B. Separate storage groups must always reside on separate volumes
- C. Data stores must be stored on the same Symmetrix logical volume
- D. The checkpoint file for a storage group and the databases that make up that storage group must be located on different volumes

Answer: B

4. A customer has had security issues in the past. To resolve them, firewalls were set up between network segments within and external to his data center environment. You are configuring the communication between the Replication Manager server and the administration console(s).

Which port must be allowed to pass through the firewalls to facilitate administration?

- A. 6753
- B. 8080
- C. 65431

D.65432

Answer: D

5. You are planning a new replication of an online transaction processing (OLTP) Oracle database to a remote Symmetrix. The requirements for the task are:

1. The distance between the local and remote sites is 1600 km
2. The local database must remain online
3. The customer requires only a restartable copy of the database on the target site
4. The task should have a minimum performance impact to the local database

Choose the best set of EMC technologies for the implementation.

- A.R2, RBCV, Instant Split Technology, and SRDF/DM
- B.R1/BCV, R2, Instant Split Technology, and SRDF/S
- C.R2, RBCV, Consistent Split Technology, and SRDF/S
- D.SRDF/A or SRDF/AR single hop

Answer: D

6. A customer is implementing an SRDF/S solution using switched Fibre Channel. The throughput is lower than expected on the SRDF link.

What is the most likely cause of the problem?

- A.Incorrect SRDF listener port settings
- B.Incorrect BB_Credit setting on the switches
- C.More than 8 RA groups assigned to the RAFs
- D.Not enough cache allocated to the SRDF devices

Answer: B

7. You are reconfiguring a DMX with Solutions Enabler SYMCLI. There are several volumes that are already mapped but not in use. The customer wants to convert them to metavolumes.

What do you do to perform this task?

- A.Unmap the devices, set the volumes to not ready, create the metavolumes, and map them
- B.Create a device group, unmap the devices, create the metavolumes, and map the metavolumes
- C.Set the volumes to not ready, unmap the devices, create the metavolumes, and mount the volumes
- D.Create a device group, set volumes to not ready, unmap the devices, create metavolumes, and map the metavolumes

Answer: D

8. A customer needs to implement a multi-hop SRDF/AR configuration.

How does the bandwidth between Symmetrix arrays impact the potential amount of data lost in case of failure?

- A.Less bandwidth means more cache required
- B.Less bandwidth means longer SRDF/AR cycles
- C.More bandwidth means longer SRDF/AR cycles
- D.More bandwidth means potential data inconsistency in case of failure

Answer: B

9. You need to configure the volume layout for Oracle on a Linux server that will reside on the Symmetrix DMX. You also need to minimize performance issues resulting from partition misalignment on the physical disks.

Which tool is used to align the disk partition?

- A.fdisk
- B.format
- C.Diskpar
- D.Diskpart

Answer: A

10. You are validating a remote replica configuration where a RAID-1 protected R1 device needs to be replicated remotely to a RAID-1 protected R2 device. The source R1 device already is a part of a TimeFinder concurrent BCV configuration.

What should you consider to validate the configuration?

- A.The number of I/Os between R1 and BCVs
- B.Whether the R2 device is being remotely replicated to a RBCV
- C.The number of mirror positions available to the RDF target device
- D.The number of mirror positions available to the RDF source device

Answer: D

11. A customer is having performance issues with an Oracle database. Workload Analyzer data was collected and reviewed. The EMC IE found a number of busy volumes.

What course of action could the IE use to further identify these busy volumes?

- A.Run Symperf
- B.Ask for an IOSTAT output report
- C.Generate a Symmetrix workload analysis report
- D.Generate reports using the syminq and symdev commands

Answer: D

12. Click the Exhibit button.

Based on the symrdf query output, what is needed to make the state of RDF pairs consistent?

- A.Change SRDF to synchronous mode, perform SRDF update, then change SRDF to asynchronous mode
- B.Change SRDF to adaptive copy mode, perform SRDF update, then change SRDF to asynchronous mode
- C.Change SRDF to adaptive copy mode, perform SRDF resume, then change SRDF to asynchronous mode.
- D.Change SRDF to synchronous mode, write disable R2, perform SRDF failover, perform SRDF resume, then change SRDF to asynchronous mode

Answer: C

13. You are implementing SRDF at a customer site, and the customer asks you to configure three additional R1 devices on the source Symmetrix and corresponding R2 devices on the target Symmetrix. You have a host attached to the Symmetrix with SYMCLI already installed, and you have created a device file.

Which operation(s) will create the SRDF device pairs and establish them?

- A.symrdf createpair command with -establish
- B.symrdf createpair command followed by symmir establish command
- C.symmir createpair command followed by symmir establish command
- D.symcfg createpair command followed by symdev establish command

Answer: A

14. A customer wants to implement a remote site replication via SRDF.

Which tool is used to calculate the number of tracks to be replicated?

- A.EMC DRU
- B.EMC TimeFinder
- C.EMC Change Tracker
- D.EMC Symmetrix Optimizer

Answer: C

15. A customer is using a RAID-1 standard device that already has a paired BCV and one CopyOnAccess Clone copy.

What is the maximum number of additional CopyOnWrite Snap sessions that the customer can create on this device?

- A.1
- B.7
- C.13

D.16

Answer: C

16. After doing a BCV split and mount on a Windows backup host, the customer determines the data on the BCV copy is inconsistent and missing files. The customer's script is using the SUI utility `symmtctl`.

Which command should be used to help prevent the inconsistent BCV?

A.umask

B.flush

C.umount

D.deport

Answer: B

17. A customer is implementing SRDF/A over GigE but is having problems getting through the corporate firewall.

What are the first steps for troubleshooting?

A. Verify cache on both DMXs exactly match, and COVDs are defined on both DMXs

B. Verify the SRDF link TCP/IP port matches on each DMX, and that port is open on the firewall(s)

C. Verify the Fibre adapters are configured as SNOW resources, and COVDs are properly defined in the bin files

D. Turn off data compression on the GigE adapters, verify TCP/IP addresses on both DMXs, and verify SNOW is defined on the SRDF GigE adapters' bin file.

Answer: B

18. Click the Exhibit button.

A customer receives an error when trying to back up Exchange using TEIM. The error is, "EMC:ResourcePak_TEIM SymDbVssControl iExchDbVssControl::IEMCVSSRequestor_BackupServer failed." The databases on the Exchange Server are laid out as shown.

Which is most likely the cause of the error?

A. Exchange production volumes are corrupt

B. There is insufficient time to split all the volumes

C. Services for Exchange on the backup host are started

D. Services for Exchange on the production host are down

Answer: B

19. A customer has implemented SRDF over Fibre Channel at a distance of 10 km. The two Symms are direct-connected. The customer is experiencing poor link throughput with this solution.

What will fix the problem?

A. Install 2GB HBAs

B. Perform switch tuning

C. Modify the Symmetrix bin

D. Install a Fibre Channel switch

Answer: D

20. Your DMX configuration is approaching 16,000 volumes. In defining the Volume Access Control Database (VCMDB), your 96-cylinder volume is configured as a type-5 VCM database. Once implemented, an old host cannot access the new VCM for device masking commands through SYMCLI. You have verified that the zoning information is correct and can see the VCM using `syminq`.

What is the next step for troubleshooting?

A. Verify that the old host is at the latest recommended version of Solutions Enabler using `symcli`

B. Initialize the VCMDB using:

```
symmaskdb sid nnn init file MyInItBackup vcmdb_type 5
```

C. Initialize the VCMDB to a type-4 using:

```
symmaskdb sid nnn init file MyInItBackup vcmdb_type 4
```

D. Backup and restore the VCMDB using:

Answer: A

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