



Exam : E20-512

Title : Business Continuity Specialist Exam for
Storage Administrators

Ver : 10-24-2008

QUESTION 1:

Select the two Connectrix MDS Models that are Multiprotocol (iSCSI / FCIP Storage Services Module) Ready? (Choose two)

- A. MDS 9140
- B. MDS 9120
- C. MDS 9509
- D. MDS 1032
- E. MDS 9216

Answer: C,E

QUESTION 2:

For what reason is having BCVs attached to the R2 devices at the remote site in a SRDF/A configuration recommended?

- A. To preserve a consistent copy of data at the remote site before a split operation.
- B. To mirror R2 devices for backup purpose in a disaster recovery scenario.
- C. To preserve extra tracks that would not fit into the cache of R2's COVD devices.
- D. To preserve a consistent copy of data at the remote site before a resynchronization operation.

Answer: D

QUESTION 3:

EMC Replication Manager supports which three of the following features? (Choose three)

- A. Provides incremental establish and restore functionality on CLARiiON storage arrays.
- B. Exploits the incremental establish and restore capabilities of TimeFinder on Symmetrix storage systems.
- C. Automates tape backup based user specified schedule.
- D. Restore automatically take advantage of the CLARiiON array's Protected Restore feature.
- E. Performs TimeFinder Snap on Symmetrix Storage Systems.

Answer: A,B,D

QUESTION 4:

DRAG DROP

You are an instructor at Certkiller .com and they enquire as to how you created a

E20-512

recoverable copy of data, using TimeFinder. By way of explanation, arrange the tasks in the order you carried it out.

Steps in Order		Steps
1	(place step one here)	"Split" BCV
2	(place step two here)	Establish BCV
3	(place step three here)	Execute operations using BCV
4	(place step three here)	Quiesce application and flush buffers
5	(place step five here)	"Query" BCV status until completely synchrized

Answer:

Steps in Order	
1	Quiesce application and flush buffers
2	Establish BCV
3	"Query" BCV status until completely synchronized
4	"Split" BCV
5	Execute operations using BCV

QUESTION 5:

Certkiller .com's storage administrator wants to synchronize one device pair within a TimeFinder device group. Which of the following command will achieve this objective?

- A. symrdf namedf incremental BCV dev 0b3
- B. symdev namedg full establish BCV dev 0b3
- C. symmir namedg incremental BCV dev 0b3
- D. symmir namedg full establish DEV003 BCV dev 0b3

Answer: D

QUESTION 6:

The ControlCenter's interaction with its components can be described by what three statements?(Choose three)

- A. The ECC Store retrieves real-time data requested by the Console.
- B. The repository maintains current and historical data relating to EMC ControlCenter.

- C. ControlCenter commands are passed over a TCP/IP network from the Console periodically directly to the Agents.
- D. The EMC ControlCenter Server provides most of the common services, which tie the infrastructure together.
- E. The Console relies on the EMC ControlCenter Server for information.

Answer: B,D,E

QUESTION 7:

DRAG DROP

Agent	Task
(place here)	SAN Zoning
(place here)	Device Masking
(place here)	Extend file system
(place here)	Extend volume group

FCC Agent

Host Agent

Symmetrix SDM Agent

As an instructor at Certkiller .com, you are required to match the correct ECC agents with the tasks on the right, by placing them in the space provided on the left. (NOTE: agents may be used more than once.)

Answer:

QUESTION 8:

Which two are Symmetrix Host Adapters that is supported by Powerpath4.2? (Choose two)

- A. iSCSI
- B. Fibre
- C. Ficon
- D. ESCON
- E. SCSI

Answer: B,E

QUESTION 9:

Which of the following are three Operating systems that support PowerPath pseudo devices? (Choose three)

- A. SUN Solaris
- B. HP-UX

- C. Linux
- D. AIX
- E. Windows 200/2003

Answer: A,C,D

QUESTION 10:

DRAG DROP

Max. Recommended Network Latency Time	
(place here)	Agent and Store
(place here)	Server and Store
(place here)	Console and Server
(place here)	Server and Repository

8ms

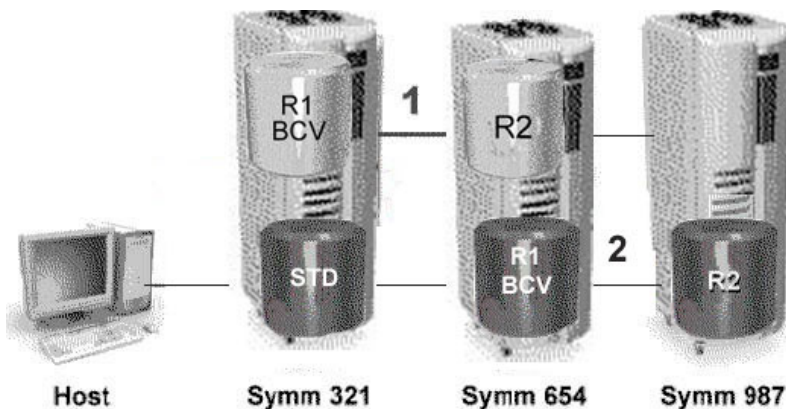
15ms

200ms

You are an instructor at Certkiller .com and they ask you to match the control center component pairs with the given maximum recommended network latency times, bearing in mind that these latency times may be used more than once.

Answer:

QUESTION 11:



Which command is used to swap the SRDF devices in the devices group "rdfdg", and to mark any modified tracks on the original R1 device to refresh form data on the original R2 device, in a failover scenario?

- A. symrdf rdfdg swap refresh R2
- B. symrdf rdfdg swap refresh R1
- C. symrdf rdfdg swap -update R1
- D. symrdf rdfdg swap -update R2

Answer: B

QUESTION 12:

A device group with SRDF source devices would be created by using which of the following SYMCLI commands?

- A. symdg create namedg type REGULAR
- B. symdg create namedg -type RDF1
- C. symdg create namedg type RDF1
- D. symcreate namedg type RDF1

Answer: C

QUESTION 13:

Data corruption of an application, running on a UNIX host, has occurred. However, this data is available on Symmetrix BCV Devices due to a previous point in time copy. Which two steps should be carried out prior to a TimeFinder Restore operation being initiated? (Choose two)

- A. Ensure that the BCVs are not mapped to any Symmetrix Front End Ports.
- B. Convert the Standard Devices to BCVs.
- C. Unmap the Standard Devices on which the application is stored.
- D. Stop the production application, unmount the filesystem.
- E. Ensure that the BCVs are unmounted and not in use.

Answer: D,E

QUESTION 14:

TimeFinder Clones are described by which three of the following statements? (Choose three)

- A. Copy sessions are maintained on the Symmetrix.
- B. Copying can be immediate or deferred (copy on access).
- C. Copying is controlled by copy sessions.
- D. Copy session is maintained in the hosts symapi_db.bin file.
- E. Copy session are created, activated, queried, listed, and terminated using the "symcopy" command.

Answer: A,B,C

QUESTION 15:

E20-512

The functionality of a Replication Manager environment is best described by which of the following three statements? (Choose three)

- A. Offer CLI-level integration with backup vendors to implement backup to non-EMC disk storage systems.
- B. You can protect data that is being migrated between systems by creating a replace before the migration so that the original data is always available.
- C. You can create replicas of data that can be mounted to an alternate host to provide a server-less backup to tape.
- D. Customers can make all or none of the mirror devices available for use by Replication Manager.
- E. You can schedule and perform on-demand replication activities without interruption to the information systems.

Answer: B,C,D

QUESTION 16:

After a TimeFinder Establish operation has been performed, what will the status of the Standard and BCV Devices be?

- A. Standard - Read Write
BCV - Not Ready
- B. Standard - Read Write
BCV - Read Only
- C. Standard - not Ready
BCV - Read Write
- D. Standard - Read Write
BCV - Read Write

Answer: A

QUESTION 17:

Order	Activities in Order
1	(place step four here)
2	(place step four here)
3	(place step three here)
4	(place step four here)
5	(place step five here)

- Activate the Clone Session
- Determine the appropriate Clone Target devices
- Create a device group and add the Source and Target Devices
- Create a Clone session between the Source and Target Devices
- Determine the Symmetrix Devices on which the application is stored

According to the exhibit, R1/BCV on Symm321 and R2 on Symm654 is pair 1, and R1/BCV on Sym654 and R2 on Symm987 is pair 2. Which of the following commands is utilized for the control SRDF device operations on these two pairs?

- A. Symmir -rdf Jcv symrdf -rbcv
- B. Symrdf Jcv symrdf -rdf -bcv
- C. symumrdf symrdf -rbcv
- D. Symrdf -bcv symrdf brbcv

Answer: D

QUESTION 18:

Of the following, which Connectrix M-Series Director/Switch supports FL Ports?

- A. Ds-32M2
- B. ED-140M
- C. DS-16M2
- D. DS-24M2

Answer: D

QUESTION 19:

When you run the symcfg discover?command, which UNIX host file is updated?

- A. /etc/sympai/db/sym_db.bin
- B. /system/sym/db.sym_db.bin
- C. /var/sympai/db/symkapi_db.bin
- D. /tmp/sympai_db.bin

Answer: C

QUESTION 20:

The output of the Symsnap list savedevs command, issued Using Timefinder Snap, is described by which of the following statements? (Choose two)

- A. Percent full of the virtual devices is shown.
- B. Lists the virtual devices associated with the Snap savedev device group.
- C. The Symmetrix volume associated with the Snap Save Device is listed.
- D. The volume associated with Snap Cache is listed.
- E. Percent full of the save devices is shown.

Answer: C,E

QUESTION 21:

DRAG DROP

inquiry utility, Version U7.2-154 (Rev 22.0) (SIL Version U4.2-154)
Copyright (C) by EMC Corporation, all rights reserved.
For help type inq -h.

DEV100	:VEND	:PROD	:REV	:SER NUM	:CAP(kb)
\\.\PHYSICALDRIVE0	:COMPAQ	:AC03632378	:ACJ6	:	: ----
\\.\PHYSICALDRIVE1	:COMPAQ	:AC03632378	:ACJ6	:	: ----
\\.\PHYSICALDRIVE2	:EMC	:SYMMETRIX	:5265	:82056320	:2081280
\\.\PHYSICALDRIVE3	:EMC	:SYMMETRIX	:5265	:82057320	:2081280
\\.\PHYSICALDRIVE4	:EMC	:SYMMETRIX	:5265	:82058320	:2081280
\\.\PHYSICALDRIVE5	:EMC	:SYMMETRIX	:5265	:82059320	:2081280
\\.\PHYSICALDRIVE6	:EMC	:SYMMETRIX	:5265	:82056160	:2081280
\\.\PHYSICALDRIVE7	:EMC	:SYMMETRIX	:5265	:82057160	:2081280
\\.\PHYSICALDRIVE8	:EMC	:SYMMETRIX	:5265	:82058160	:2081280
\\.\PHYSICALDRIVE9	:EMC	:SYMMETRIX	:5265	:82059160	:2081280

(place here) \\.\PHYSICALDRIVE2

(place here) \\.\PHYSICALDRIVE4

(place here) \\.\PHYSICALDRIVE3

(place here) \\.\PHYSICALDRIVE5

Certkiller .com provides you with a screenshot that illustrates the output of the seeming command. You are asked to examine it and then match the NT device name to its secondary PowerPath device.

Answer:

QUESTION 22:

Which three of the following items is displayed by the "Port Statistics" option, from the Connectrix Manager Performance tab? (Choose three)

- A. Receive/Transmit
- B. Frame Pacing
- C. Control Processor (CTP) card information
- D. Class 2 frames
- E. Buffer to Buffer Credits

Answer: A,B,D

QUESTION 23:

When employing mirrored BCVs and standard volumes on a Symmetrix DMX, what three functions are supported? (Choose three)

- A. Timefinder Snap of an Established BCV.
- B. Protected BCV restore.
- C. Concurrent SRDF form BCV.
- D. Reverse Split.
- E. Concurrent BCV.

Answer: B,D,E

QUESTION 24:

TimeFinder consistent splits are created by using which two items? (Choose two)

- A. Symmetrix integration Utilities (SIU)
- B. Enginuity Consistency Assist (ECA)
- C. PowerPath
- D. Persistent Storage Manager
- E. Resource Pak

Answer: B,C

QUESTION 25:

DRAG DROP

Certkiller .com asks you to match each associated SYMCLI root command to the function that requires it to perform that specific function.

Command Action	
(place here)	Creating a device group
(place here)	Suspending SRDF links
(place here)	Associating a BCV to a Standard device
(place here)	Performing a restore of a BCV to a Standard device



Answer:

QUESTION 26:

Pseudo name=emcpower128a
Symmetrix frame ID=000184500642; volume ID=146
state=alive; policy=SymmOpt; priority=0; queued-I/Os=0

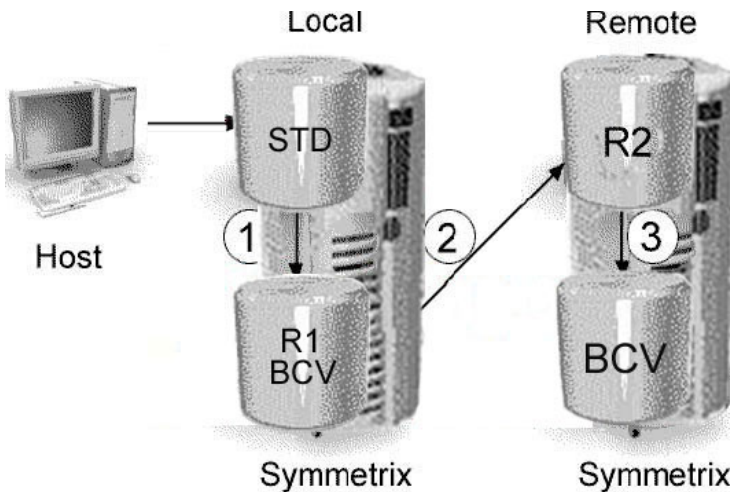
```
=====
----- Host Devices -----   - Symm -   --- Path ---   -- Stats ---
### HW-path                device  director  mode  state  q-I/Os errors
=====
4 sbus@a/fca@1/sd@1        c4t1d8s0  FA 4a   active open    0    0
5 sbus@a/fca@2/sd@2        c5t1d8s0  FA 4b   active open    0    1
=====
```

What is the PowerPath Load Balancing policy and device priority associated with LV 128, according to the output of "powermt display dev=128a" command shown in the exhibit?

- A. so policy and 164 priority
- B. bf policy and 0 priority
- C. rr policy and 0 priority
- D. so policy and 0 priority

Answer: D

QUESTION 27:



Prior to issuing a symreplicate start command, what is the correct state for the identified TimeFinder and SRDF device pairs in a single-hop SRDF/AR configuration that is shown in the exhibit?

- A. Synchronized - suspended - synchronized
- B. Synchronized - split - split
- C. Synchronized - suspended - split
- D. Split - synchronized - split

Answer: C

QUESTION 28:

Of the following, which is the correct procedure for performing a restore from a TimeFinder Cldone?

- A. Using "symcfg" change the device type of the Clone, then issue "symclone restore" command.
- B. Take a snap of the Clone volume and restore from the Snap.
- C. Issue the "symclone restore" command.
- D. Create a new clone using the old target as the new source.

Answer: D

QUESTION 29:

Of the following, select the three ANSI Standard Fibre Channel Network Topologies? (Choose three)

- A. Point to Point
- B. Switched Fabric
- C. iSCSI
- D. Gigabit Ethernet

E. Arbitrated Loop

Answer: A,B,E

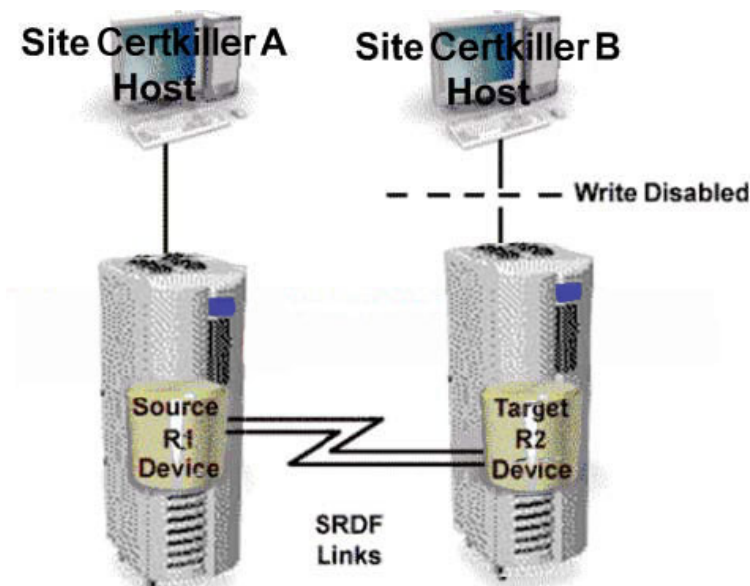
QUESTION 30:

Of the following, which is the default maximum number of BCVs that can maintain an incremental relationship with a single standard device?

- A. 4
- B. 8
- C. 2
- D. 16

Answer: B

QUESTION 31:



In the SRDF configuration, illustrated in the exhibit above, R1 volumes are write-enabled; R2 volumes are write-disabled and the SRDF link is ready. What happens in the event of the Host on "Site A" failing?

- A. An SRDF failover operation must be executed for the SRDF pairs. The production work could then be restarted on the host on site B.
- B. Symmetrix will detect the failure and automatically write-enabled the R2 Volume. The production work could then be restarted on the host on site B.
- C. The host on site B can access the R1 Volumes through the SRDF links and continue the production work the R1 Volumes.
- D. The production work must be suspended until the host on site A can be restored.

Answer: A

QUESTION 32:

```
src# symrdf list
```

```
Symmetrix ID: 000000003264
```

Local Timer View												
		STATUS				MODES				RDF STATES		
Sym	RDF											
Dev	RDev	Typ	G	SA	RA	LNK	Mode	Dom	ACp	R1 Inv Tracks	R2 Inv Tracks	Dev RDev Pair
045	045	R2:2	RW	WD	NR	SYN	DIS	OFF		0	49500	WD RW Suspended
046	046	R2:2	??	WD	NR	SYN	DIS	OFF		0	33000	WD RW Suspended
047	047	R2:2	??	WD	NR	SYN	DIS	OFF		-	-	WD RW Suspended
09C	054	R1:2	RW	RW	RW	SYN	DIS	OFF		0	0	RW NR Synchronized
09D	055	R1:2	RW	RW	RW	SYN	DIS	OFF		0	0	RW NR Synchronized
09E	056	R1:2	RW	RW	RW	SYN	DIS	OFF		0	0	RW NR Synchronized
09F	057	R1:2	RW	RW	RW	SYN	DIS	OFF		0	0	RW NR Synchronized
0A0	058	R1:2	RW	RW	RW	ACp	DIS	WD		0	0	RW NR Synchronized
0A1	059	R1:2	RW	RW	RW	ACp	DIS	WD		0	0	RW NR Synchronized
0A2	05A	R1:2	RW	RW	RW	ACp	DIS	WD		0	0	RW NR Synchronized
0A3	05B	R1:2	RW	RW	RW	ACp	DIS	WD		0	0	RW NR Synchronized

The devices 09E and 09F are in a device group named "rdfg", according to the screenshot. To change the mode of operation to "Adaptive Copy Disk Mode", which command would be used?

- A. symrdf -g rdfdg acp_mode=disk
- B. symrdf -g rdfdg set mode acp_disk
- C. symrdf -g rdfdg change mode acp_disk
- D. symrdf -g rdfdg change mode disk

Answer: B

Explanation:

The devices 09E and 09F are in a device group named "rdfg", according to the screenshot. To change the mode of operation to "Adaptive Copy Disk Mode", which command would be used?

symrdf -g rdfdg acp_mode=disk symrdf -g rdfdg change mode disk symrdf -g rdfdg set mode acp_disk symrdf -g rdfdg change mode acp_disk

QUESTION 33:

Which three discussion points are accurate for Certkiller .com's SRDF synchronous environment that is divided by a distance of 100KM? (Choose three)

- A. Native ESCON cannot be used at this distance.
- B. Native T3 directly connected to the Symmetrix/DMX is an option.
- C. Fibre Channel is an option but will require a Fibre Channel switch or director.
- D. Gigabit Ethernet from the Symmetrix/DMX is an option.
- E. A Wave Division Multiplexer must be used at this distance

Answer: A,C,D

QUESTION 34:

DRAG DROP

During a theoretical exercise at Certkiller .com, you need to explain how to perform decision support operations from a Symmetrix DMX Virtual SNAP device (VDEV). To accomplish this you have to arrange the tasks in step-by-step order.

Tasks in Order		Tasks
1	(place step one here)	Create SNAP Session
2	(place step two here)	Activate SNAP Session
3	(place step three here)	Perform Decision Support Operations with SNAP device
4	(place step five here)	MountSNAP Volume to Replica Host

Answer:

QUESTION 35:

You Use Timefinder Snap to issue the following command:

Symmsnap list have devs

Which two of the following statements best describes the output? (Choose two)

- A. The Symmetrix volumes associated with the Snap Save Devices are listed.
- B. Lists the virtual devices associated with the Snap savedev device group.
- C. Percent full of the active Snap Session is shown.
- D. Percent full of the Save Devices is shown.
- E. Lists the active Snap Sessions.

Answer: A,D

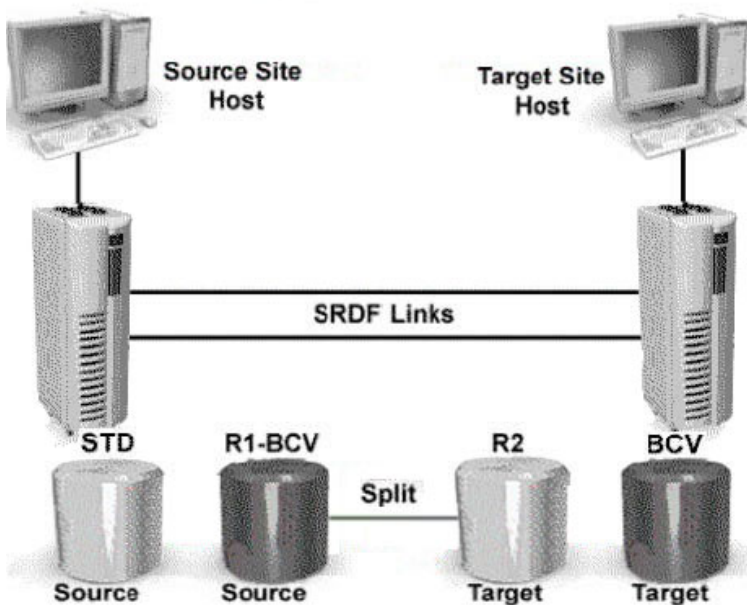
QUESTION 36:

Which of the following describes the result of the Save Device pool becoming full in a TimeFinder Snap environment?

- A. A Snap Session that requests space from the Save Pool will be marked as FAILED and the Virtual Devices in that session will be unavailable.
- B. All Snap Session will be marked as DEGRADED and all Virtual Devices will continue to be available.
- C. A Snap Session requests space from the Save pool will be marked as DEGRADED and the Virtual Devices in that session will continue to be available.
- D. All Snap Session will be marked as FAILED and all Virtual Devices will be unavailable.

Answer: A

QUESTION 37:



In the SRDF/AR Single Hop scenario illustrated above, the Source site has become unavailable. All BCV pairs were split at the time of failure, and the Source R1-BCV to Target R2 synchronization was incomplete. Restarting the application at the Target site is required, but an additional clean copy of the data must be maintained in case of corruption during the restart procedure. How would this restart objective be accomplished?

- A. Check for device locks on the Target site R2 and BCV devices. Suspend RDF links and Write-enable the R2 devices. Perform an incremental Establish from the Target site R2 to the BCV. Wait for synchronization to complete and then split the Target BCV and R2. Import Volume Groups, mount Filesystems and restart application from the R2 devices.
- B. Check for device locks on the Target site R2 and BCV devices. Suspend RDF links and Write-enable the R2 devices. Perform an incremental Establish from the Target site R2 to the BCV. Import Volume Groups, mount Filesystems and restart application from the R2 devices.
- C. Check for device locks on the Target site R2 and BCV devices. Suspend RDF links and Write-enable the R2 devices. Perform an incremental Restore from the Target site BCV to the R2. Wait for synchronization to complete and then split the Target BCV and R2. Import Volume Groups, mount Filesystems and restart application from the R2 devices.
- D. Check for device locks on the Target site R2 and BCV devices. Suspend RDF links and Write-enable the R2 devices. Perform an incremental Restore from the Target site BCV to the R2. Import Volume Groups, mount Filesystems and restart application from

the R2 devices.

E. Check for device locks on the Target site BCV devices. Suspend RDF links and Write-enable the BCV devices. Import Volume Groups, mount Filesystems and restart application from the Target site BCV devices.

Answer: A

QUESTION 38:

DRAG DROP

Certkiller .com activates a Clone session and after synchronization is terminated, a Full TimeFinder Clone copy exists. You are now required to restore the contents of the Clone copy to the original source device. Arrange the steps required for this restoration into the correct order.

Steps in Order	
1	<div>Place here</div> <div>Create a Full Copy Clone Session using the device with the Clone copy as Source and the original source device as Target</div>
2	<div>Place here</div> <div>Monitor the Clone session until the synchronization is complete</div>
3	<div>Place here</div> <div>Terminate the clone session</div>
4	<div>Place here</div> <div>Activate the Clone session</div>
5	<div>Place here</div> <div>Stop the production application and unmount the filesystem</div>

Answer:

QUESTION 39:

From a host's perspective, what is an accurate statement regarding a failed-over R1 and R2 SRDF pair?

- A. R1 is Not-Ready and R2 is Read/Write.
- B. R1 is Write-Disabled and R2 is Read/Write.
- C. R1 is Read/Write and R2 is Write-Disabled.
- D. R1 is Read/Write and R2 is Read/Write.

Answer: B

QUESTION 40:

Of the following, which three PowerPath 4.x load balancing and failover policies are accessible by CLARiiON? (Choose three)

- A. bf (Basic Failover)
- B. nr (No Redirect)
- C. co (CLARiiON Optimization)
- D. rr (Round Robin)
- E. ad (Adaptive)

Answer: A,C,D

QUESTION 41:

Which command should be executed in order to bring the R1 device closer to synchronization with the R2, in the case of an SRDF Failover scenario?

- A. symrdf rdfdg resume
- B. symrdf is rdfdg update
- C. symrdf is rdfdg merg
- D. symrdf is rdfdg refresh

Answer: B

QUESTION 42:

Which of the following are two characteristics of EMC PowerPath Power Volume?
(Choose two)

- A. Same host import of multiple BCV copies of data.
- B. Automatic recognition of hardware LUN growth.
- C. No automatic recognition of hardware LUN growth.
- D. Same host cannot import multiple BCV copies of data.

Answer: A,B

QUESTION 43:

What effect does running the symclone create command, when using TimeFinder Clones, have on the target volume?

- A. It initiates copying if the - copy option has been specified.
- B. It makes the target Not Ready (NR) to its host.
- C. It places the target in the Read/Write (RW) state.
- D. Data copying is deferred until either tracks on the source are written to or tracks on the target are read or written to.

Answer: B

QUESTION 44:

Select three characteristics of Brocade switches? (Choose three)

- A. High Bandwidth
- B. ASIC
- C. Single Topology Support
- D. Low Latency
- E. No Buffering

Answer: A,B,D

QUESTION 45:

Which is an accurate statement concerning Fibre Channel Topology?

- A. A Fibre Channel hub can be the switching point for a Switched Fabric Network topology.
- B. A point to point network topology requires a Fibre Channel switch.
- C. A Fibre Channel Arbitrated Loop Topology is a full non-blocking architecture.
- D. Communication on an arbitrated loop topology is limited to a single conversation at a time.

Answer: D

QUESTION 46:

DRAG DROP

For the following, you need to match the Symmetrix device type with the replication technology that it employs. Options may be used more than once.

Replication Technology	Symmetrix Device Type
(place here)	R1 Device
(place here)	BCV Device
(place here)	Savev Device
(place here)	Virtual Device

SRDF

SnapView

TimeFinder Snap

TimeFinder Mirror

Answer:

QUESTION 47:

In W2K, the Solutions Enabler database file can be found in which default location?

- A. c:/Program Files/EMC/symcli/symapi_db.bin
- B. c:/Program Files/EMC/ECC?console
- C. c:/Program Files/EMC/symcpi//config/symapi_db.bin
- D. c:/Program Files/EMC/symcpi/db/symapi_db.bin

Answer: D

QUESTION 48:

Of the following, which statement regarding volume expansion with PowerPath Volume Manager is accurate?

- A. The application running on the volume to be expanded may continue to run.
- B. Application running on the volume to be expended must be stopped.
- C. Application running on the volume to be expanded must be quiesced.
- D. Volumes can only be expanded offline.

Answer: A

QUESTION 49:

What are the three storage systems that is supported by ControlCenter 5.1 x?

- A. HP StorageWorks EVA
- B. EMC Centera
- C. HP StorageWrok HSG80
- D. EMC Celerra
- E. SUN/HDS/HP 7780E/9900 Series

Answer: C,D,E

QUESTION 50:

```
# symdev show 097
Front Director Paths (1):
{
  -----
  PdevName      POWERPATH  DIRECTOR  PORT      LUN
  Type          Type Num   Sts  VBUS  TID  SYMM Host
  -----
  /dev/rhdisk27 N/A       FA   13A:0  RW   000  00   050  000
}

Mirror Set Type      : [R1 Remote.Data.Data,N/A]
Mirror Set DA Status : [RW,RW,RW,N/A]
Mirror Set Inv. Tracks : [0.0.0.0]
```

The exhibit above illustrates a part of the output from the symdev that displays the "show 097" command. What type of device is a 097?

- A. A locally mirrored SRDF r2 volume.
- B. A locally mirrored SRDF R1 volume.
- C. A locally mirrored BCV.
- D. A parity RAID protected SRDF R2 volume.

Answer: A

QUESTION 51:

What purpose does the symrdf update command serve?

- A. In an SRDF Failover state, update will begin synchronization prior to resuming operations on the source volumes.
- B. In an SRDF Fallback state, the update command will restore the R2 Volume back to the R1 Volumes.
- C. When in a Failover state, the update function will reset the /var/symapi/db/symapi_db.bin file.
- D. A symrdf update command will reinitialize all the SRDF device groups.

Answer: A

QUESTION 52:

DRAG DROP

As part of Certkiller .com's instruction course, you are required to match each function to its corresponding Symmetric Local Replication solution.

Solution	Function
(place here)	Uses "Copy on First Write"
(place here)	Uses "Copy on First Access"
(place here)	Requires Symmetrix to be configured with BCV devices

Time Finder Clone	Time Finder Snap	Time Finder Mirror	Time Finder Synchronous
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Answer:

QUESTION 53:

After a SRDF restore operation is initiated, which three of the following occurs? (Choose three)

- A. Data copy is initiated from the R1 to the r2 devices.
- B. Write to the R1 devices during the restore operation will be propagated to the R2

devices.

C. The R2 devices are Write-Disabled.

D. Primary host still has full read/write access to the R1 devices.

E. The status of the R1 devices is changed to Write-Disabled.

Answer: B,C,D

QUESTION 54:

SRDF/S (synchronous) is distinguished by which three of the following? (Choose three)

A. Some performance impact

B. Hours of data distance

C. No data exposure

D. No performance impact

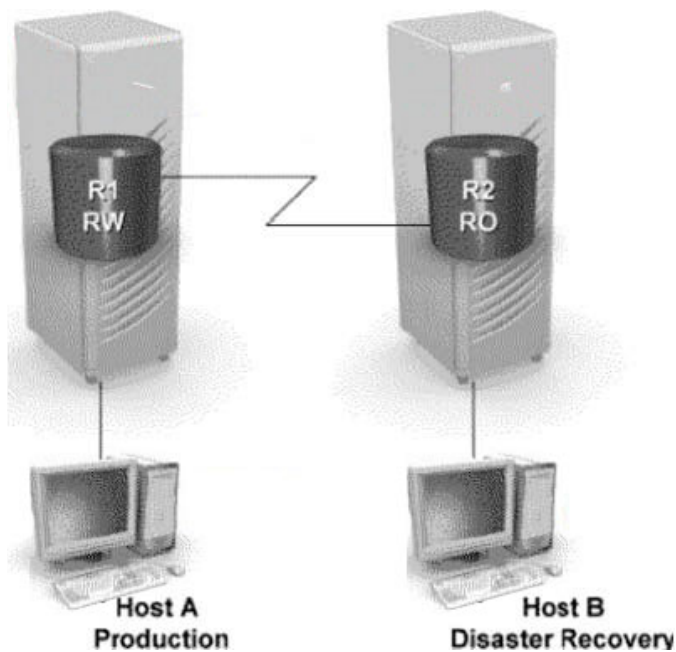
E. Unlimited distance

F. Seconds of data exposure

G. Limited distance

Answer: A,C,G

QUESTION 55:



In the exhibit above, the SRDF primary mode of operation is Synchronous, there is no secondary mode selected and the SRDF link is ready. While Production work on Host A is in progress, both local mirrors of the R1 Volume fail. What will happen in this situation?

A. Production work can continue from Host A but new write operation cannot be

E20-512

performed.

B. The Symmetrix will automatically change the status of the R2 Volume to write-enabled and Production work and continue form Host B.

C. Product ion work form Host A will fail. The application should be restarted form the Disaster Recovery Host B.

D. Production work can continue from Host A without interruption. All new writes will accumulate as invalid tracks from the R1 Volume.

Answer: D

QUESTION 56:

DRAG DROP

Certkiller .com wants to perform a TimeFinder Clone copy, so they ask you to assist them by arranging the steps required to do it into the appropriate order.

Order	Activities in Order
1	(place step one here)
2	(place step two here)
3	(place step three here)
4	(place step four here)
5	(place step five here)

Activate the Clone Session

Determine the appropriate Clone Target devices

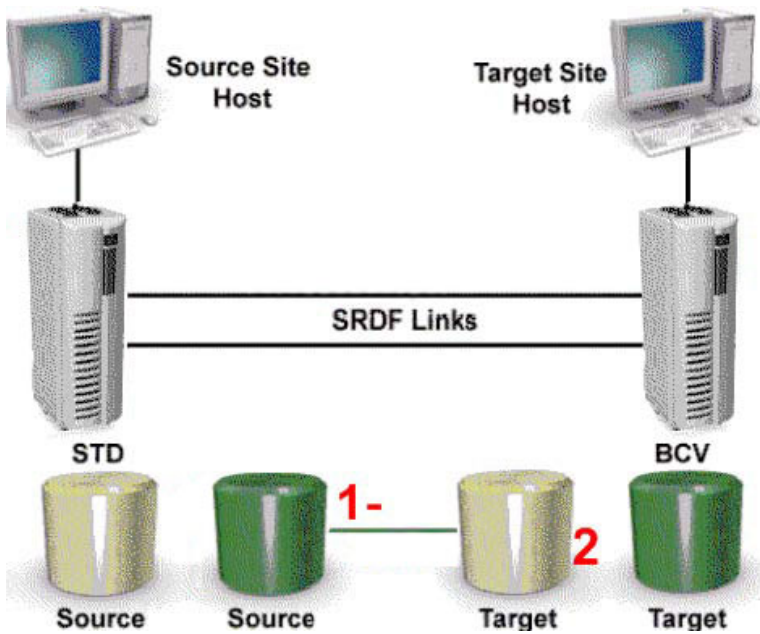
Create a device group and add the Source and Target Devices

Create a Clone session between the Source and Target Devices

Determine the Symmetrix Devices on which the application is stored

Answer:

QUESTION 57:



In the SRDF/AR Single Hop scenario illustrated above, the Source site has become unavailable. All BCV pairs were split at the time of failure, and the Source R1-BCV to Target R2 synchronization was incomplete. Restarting the application at the Target site is required, but an additional clean copy of the data must be maintained in case of corruption during the restart procedure. How would this restart objective be accomplished?

- A. Check for device locks on the Target site BCV devices. Suspend RDF links and Write-enable the BCV devices. Import Volume Groups, mount Filesystems and restart application from the Target site BCV device
- B. Check for device locks on the Target site R2 and BCV devices. Suspend RDF links and Write-enable the R2 devices. Perform an incremental Establish from the Target site R2 to the BCV. Wait for synchronization to complete and then Split the Target site R2 and BCV. Import Volume Groups, mount Filesystems and restart application from the R2 devices.
- C. Check for device locks on the Target site R2 and BCV devices. Suspend RDF links and Write-enable the R2 devices. Perform an incremental Establish from the Target site R2 to the BCV. Import Volume Groups, mount Filesystems and restart application from the R2 devices.
- D. Check for device locks on the Target site R2 and BCV devices. Suspend RDF links and Write-enable the R2 devices. Perform an incremental Restore from the Target site BCV to the R2. Import Volume Groups, mount Filesystems and restart application from the R2 devices.
- E. Check for the device locks on the Target site R2 and BCV devices. Suspend RDF links and Write-enable the R2 devices. Perform an incremental Restore from the Target BCV to the R2. Wait for synchronization to complete and then Split the Target BCV and R2. Import Volume Groups, mount Filesystems and restart application from the R2 devices.

Answer: E

QUESTION 58:

What will happen if you enter the following TimeFinder Clone command?
Symclone clonegrp create DEV001 sym ld Dev002 copy

- A. It makes an immediate e copy of the entire source to the target.
- B. It sets up the track protection bitmap to provide user access to data on the target.
- C. Data copying is deferred until either tracks on the source are written to, or, tracks on the target are read or written to.
- D. It makes the target "not ready" (NR) to its host.

Answer: A

QUESTION 59:

For the purpose of managing and configuring Connectrix M-Series switches, which two tools would you use? (Choose two)

- A. Telnet.
- B. Connectrix Manager.
- C. Ds-M Command.
- D. Embedded Web Server (EWS).
- E. Hyper Terminal.

Answer: B,D

QUESTION 60:

Which three PowerPath 4.x load balancing and failover are available for Symmetrix?
(Choose three)

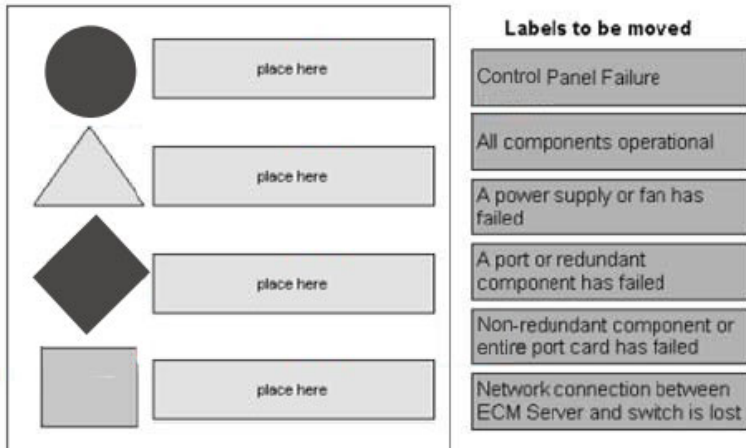
- A. ad (Adaptive)
- B. rr (Round Robin)
- C. lb (Least Blocks)
- D. bf (Basic Failover)
- E. so (Symmetrix Optimization)

Answer: B,C,E

QUESTION 61:

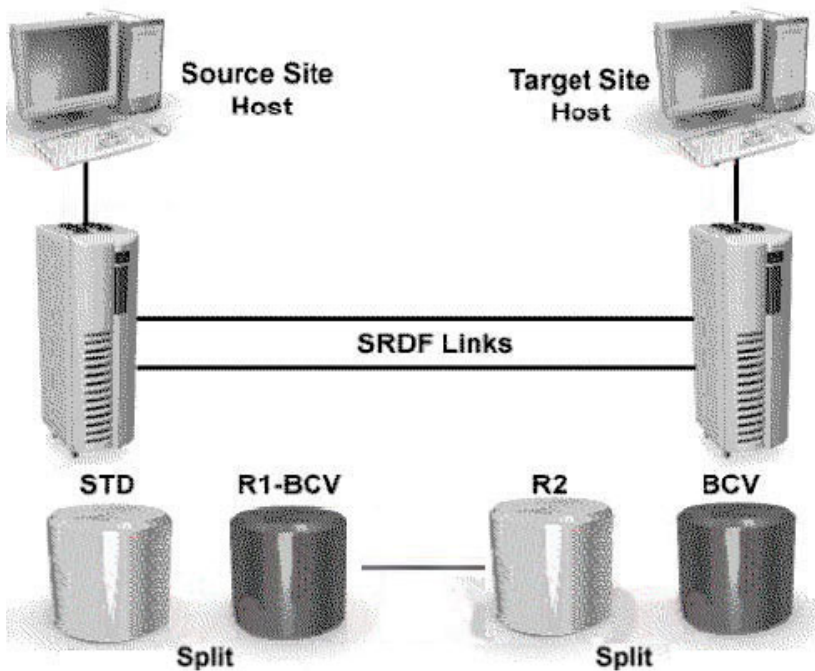
DRAG DROP

You are employed by Certkiller .com, who asks that you match the symbol description, found on the Connection Manager Product View panel, to the corresponding explanation.



Answer:

QUESTION 62:



In the exhibit above, an SRDF/AR Single Hop scenario is depicted. A failover has been performed. The R1-BCV is split from the Standard device at the Source site and the R1-BCV and R2 SRDF pair is in a failed-over state. At the Target site, the production application is now running from the R2 volume and the BCV is split from the R2 volume. Which procedure would you employ to achieve the necessary application restart at the Source site?

A. Perform a symmir restore operation from the BCV to the R2 at the Target site. When the number of invalid tracks between the BCV and the R2 is at an acceptable level, stop the application and perform a symrdf failback operation. Monitor for 100% synchronization between the R2 and R1-BCV and then perform a symrdf suspend operation. Perform a symmir restore operation from the R1-BCV to the Standard device.

and restart the application on the Standard device.

B. Perform a symrdf update operation. When the number of invalid tracks between the R1-BCV and the R2 is at an acceptable level, stop the application and perform a symrdf failback operation. Monitor for 100% synchronization between the R2 and R1-BCV and then perform a symrdf suspend operation. Perform a symmir restore operation from the R1-BCV to the Standard device the restart the application on the Standard device.

C. Perform a symrdf update operation. When the number of invalid tracks between the R1-BCv and the R2 is at an acceptable level, stop the application and perform a symrdf swap operation. Perform a symmir restore operation from the R1-BCV to the Standard device and restart the application on the Standard device.

D. Perform a symrdf update operation. When the number of invalid tracks between the R1-BCV and the R2 is at an acceptable level, stop the application and perform a symrdf restore operation. Monitor for 100% synchronization between the R2 and R1-BCV and then perform a symrdf suspend operation. Perform a symmir restore operation from the R1-BCV to the Standard device and restart the application on the Standard device.

Answer: B

QUESTION 63:

DRAG DROP

Certkiller .com wants to perform an off-line (cold) backup of a Database using TimeFinder. Arrange the steps that will enable them to accomplish this, in the correct order.

1	(place step one here)	Perform a normal shutdown of the production database.
2	(place step two here)	Perform a TimeFinder Split of all the STD/BCV device pairs.
3	(place step three here)	Adjust control files to reflect file/device names on BCV host.
4	(place step four here)	Start second database instance or begin full backup of all files/devices from BCV Devices.
5	(place step five here)	Perform a TimeFinder Establish of the Standard and BCV devices while the production database is on-line. Confirm that the Standards and BCVs are fully synchronized.

Answer:

QUESTION 64:

From a host's perspective, which statement is true regarding a R1 and R2 SRDF pair under formal circumstances (i.e. R1 and R2 are in a Synchronized state in SYNC mode)?

- A. R1 is Not-Ready and R2 is Read/Write.
- B. R1 is Write/disabled and R2 is Read/Write.
- C. R1 is Read/Write and R2 is Read/Write.
- D. R1 is Read/Write and R2 is Write-Disabled.

Answer: D

QUESTION 65:

Which three of the following items/features are supported by SRDF/A? (Choose three)

- A. TimeFinder Snap of R2 volumes.
- B. Dynamic SRDF.
- C. TimeFinder BCVs of R2 volumes.
- D. Switched SRDF.
- E. Concurrent SRDF.
- F. Gigabit Ethernet Directors as SRDF Directors.

Answer: C,D,F

QUESTION 66:

A Replication Manager infoSet partially consists of which three items? (Choose three)

- A. The tape library units to be used for replication.
- B. The information to be replicated (file system, database, tablespace, etc.).
- C. The computer that hosts the information you want to replicate.
- D. The users that will have access to an infoSet, its activities, and its replicas.
- E. Timestamps and commands which generated the replicas.

Answer: B,C,D

QUESTION 67:

Replication Manager supports which three of the following storage arrays?

- A. Hitachi Data Systems
- B. CLARiiON
- C. IBM ESS
- D. HP StorageWorks
- E. Symmetrix

Answer: B,D,E

QUESTION 68:

Certkiller .com wishes to perform daily backups to tape. Which option, that has no impact on production, would you recommend?

- A. Create TimeFinder Mirror point in time copies.
- B. Create TimeFinder Snap virtual devices once per day.
- C. Setup an SRDF relationship locally.
- D. Use SANCopy software to create a clone.

Answer: A

QUESTION 69:

Which of the following is a major distinction between SRDF/A and SRDF synchronous modes?

- A. Applications should be stopped, filesystems, uncoupled, and volume group deactivated when a restore is initiated.
- B. Data that is updated multiple times in a single cycle is sent across the SRDF link only once (Write Folding).
- C. SRDF/A is a solution supporting only Open System over Fibre Channel.
- D. SRDF/A is not supported in Gig-E environments distinction.

Answer: B

QUESTION 70:

You are instructed by Certkiller .com to match the TimeFinder SNAP operations to the appropriate SYMCLI commands.

SYMCLI Command	TimeFinder SNAP Operation
(place here)	Create a Snap Session
(place here)	Activate a Snap Session
(place here)	Terminate a Snap Session

<code>symsnap -g snapdg start</code>	<code>symsnap -g snapdg activate</code>
<code>symsnap -g snapdg create</code>	<code>symsnap -g snapdg terminate</code>
<code>symsnap -g snapdg start</code>	<code>symsnap -g snapdg establish</code>

Answer:

QUESTION 71:

Which three of the following statements are true with regards to Replicas? (Choose three)

- A. How many replicas will be needed is based on how often the data changes, the number of mirrors being used, and number of alternate e uses for the replica.
- B. The Storage Services component of the client software manages the storage operations using a Service initialization File.
- C. Critical data that changes often is still a good candidate for frequent replication.
- D. Mirror device that will be used for replicas may be grouped by storage parameters.
- E. Replication Manager can replicate data that is spread across multiple homogeneous arrays.

Answer: C,D,E

QUESTION 72:

A DMX GigE Director board can be characterized by which two statements? (Choose two)

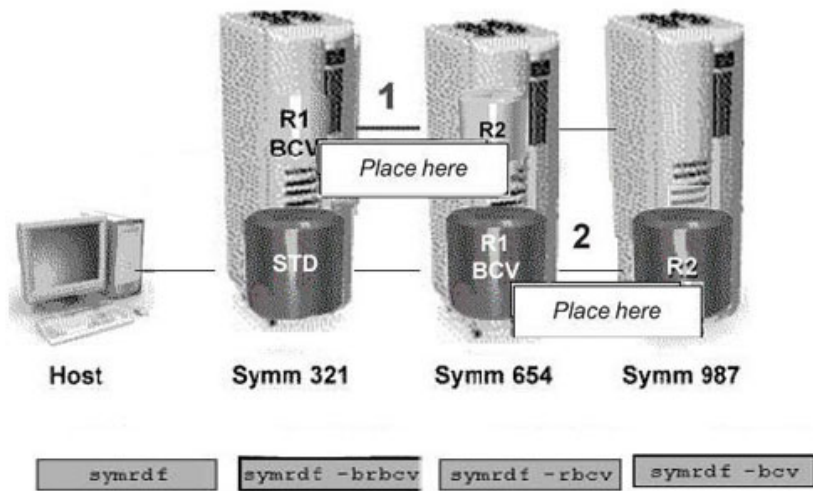
- A. A GigE port requires the full 100MB of network bandwidth.
- B. A GigE Director requires outboard compression.
- C. A GigE director internally checks for loss of packets.
- D. A GigE Director performs only a single round trip per data transfer operation.

Answer: C,D

QUESTION 73:

DRAG DROP

Certkiller .com asks you, as part of an informative exercise, to place the appropriate SRDF SYMCLI command, used to control the SRDF devices depicted below, in its correct position.

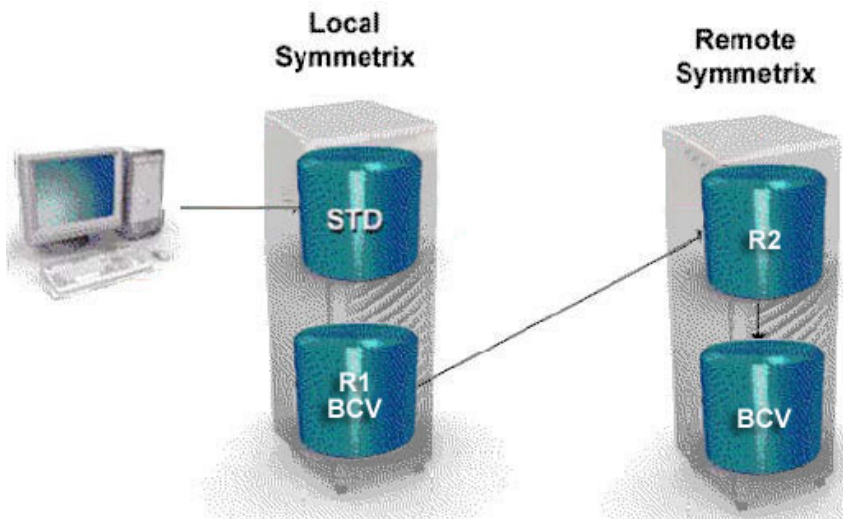


Answer:

QUESTION 74:

DRAG DROP

Exhibit



Certkiller .com presents you with the exhibit above, and wants you to arrange the initial SRDF/AR setup operation tasks in the correct order.

E20-512

Order	Tasks in Order	Tasks
1	(place step one here)	Perform a TimeFinder split on the local BCV pair
2	(place step two here)	Perform an SRDF establish on the SRDF pair
3	(place step three here)	Perform a TimeFinder split on the remote BCV pair
4	(place step four here)	Perform a TimeFinder full establish on the local BCV pair
5	(place step five here)	Perform a TimeFinder full establish on the remote BCV pair
6	(place step six here)	Re-establish the local BCV pair (suspends SRDF link)

Answer:

QUESTION 75:

A full Device Group Establish is performed by which SYMCLI TimeFinder command?

- A. symdev namedg -full establish
- B. symmir namedg -full pt establish
- C. symrdf namedg -full establish
- D. symmir establish namedg incremental

Answer: B

QUESTION 76:

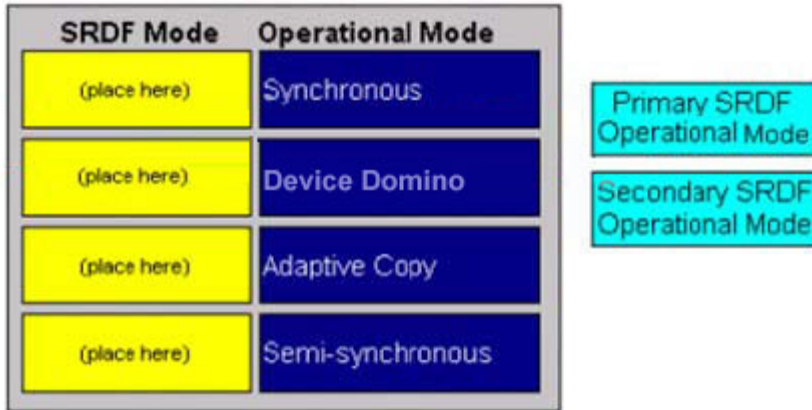
Which of the following is a Timefinder command that will restore a set of BCV devices to their standard pairs?

- A. symmir namedg restore BCV dev Ob3 DEV002 -noprompt
- B. symrdf -g namedg -full oprompt restore all
- C. symdev restore ull namedg all
- D. symmir namedg restore ull oprompt

Answer: D

QUESTION 77:

For the following, Certkiller .com wants you to match each SRDF mode with the correct operational mode. Please note that the operational modes may be used more than once.



Answer:

QUESTION 78:

The three file system/databases supported by Replication Manager are _____, _____ and _____.(Choose three)

- A. IBM DB2 databases
- B. Journal File Systems
- C. UNIX file systems
- D. Microsoft SQL Server databases
- E. Window NTFS

Answer: C,D,E

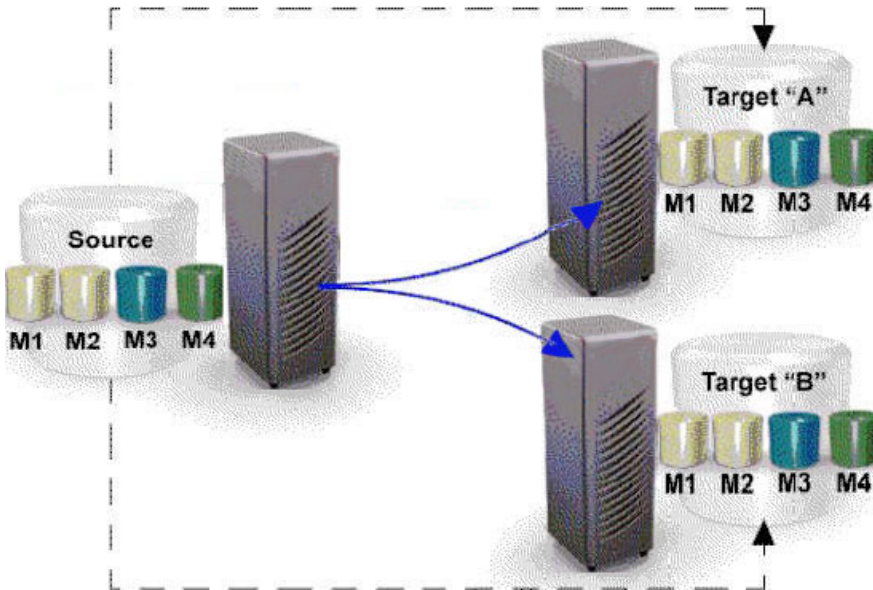
QUESTION 79:

The TimerFinder * restore? operation between a Standard and BCV device pair, is describes by which of the following statements?

- A. Change the status of the BCV to NOT Ready and copy contents of the BCV to the Standard device.
- B. Copy the entire contents of the Standard device to the BCV while presenting a Read-Write Enabled status for the Standard device and the BCV
- C. Change the status of both the BCV and the Standard device to Not Ready until Synchronization is complete.
- D. Write-disable the Standard device and copy the entire contents of the BCV to the Standard device.

Answer: A

QUESTION 80:



An SRDF source, R1 volume, is paired concurrently with an SRDF R2 volume (Target A) and another R2 volume (Target B). Which combination of SRDF modes is NOT permitted between the two pairs?

- A. One pair in Synchronous mode; the other pair in Semi-Synchronous mode.
- B. One pair in Synchronous mode; the other pair in Synchronous mode with a secondary mode of Adaptive Copy Disk.
- C. One pair in Synchronous mode; the other pair in Synchronous mode.
- D. One pair in Synchronous mode; the other pair in Synchronous mode with a secondary mode of Adaptive Copy Write Pending.

Answer: A

QUESTION 81:

Certkiller .com has a SRDF synchronous environment, and wants to establish their BCV's at the target location. Which command would accomplish this?

- A. symbcv -g dname -rdf establish -full
- B. symmir -g dname -bcv establish -full
- C. symmir -g dname -rdf establish -full
- D. symrdf -g dname -bcv establish -full

Answer: C

QUESTION 82:

DRAG DROP

Certkiller .com gives you five Symmetrix Local Replication solutions, which you must match to each statement. To do this, place the correct solution next to the statement that applies to it.

Solution	Statement
(place here)	Replica requires identical storage capacity as the Source device
(place here)	Replica requires a fraction of the storage capacity as the Source device
(place here)	Replica requires an initial full synchronization before the data on the replica is available
(place here)	Replica can be made available to the backup host immediately after the activation of the replication session

TimeFinder Snap only	TimeFinder Mirror only	TimeFinder Mirror and TimeFinder Clone
TimeFinder Mirror and TimeFinder Clone	TimeFinder Mirror and TimeFinder Snap	

Answer:

QUESTION 83:

A locally protected standard Symmetrix device can concurrently be established with a maximum number of ____ BCVs.

- A. 2
- B. 4
- C. 6
- D. 8
- E. 1

Answer: A

QUESTION 84:

To carry out a failover, a dynamic SRDF swap and an Establish of the swapped SRDF pair, which SYMCLI command would you use? (This task is also known as a Fast Swap Establish.)

- A. symrdf mydg failover -swap -establish
- B. symrdf mydg swap failover -establish
- C. symrdf mydg swap establish
- D. aymesd mysf failover -swap -establish

Answer: D

QUESTION 85:

What are three advantages of Brocade Web Tools? (Choose three)

- A. Makes zoning simple because you can type the IP addresses or port number into a configuration.
- B. Easy and intuitive to use.

- C. Provides the Advanced Performance Monitoring feature.
- D. Virtually in front of any fabric, switch or port from a standard workstation.

Answer: B,C,D

QUESTION 86:

How can the Fibre Channel Buffer Credits, needed for a given distance, be calculated quickly?

- A. By multiplying the circuit distance in kilometers by 1.6.
- B. By multiplying the circuit distance in kilometers by 2.
- C. By dividing the circuit distance in miles by 2.
- D. By dividing the circuit distance in kilometers by 2.

Answer: D

QUESTION 87:

DRAG DROP

Place the steps for guaranteeing a "clean" BVC (no record required) in the correct order.

Steps in Order		Steps
1	(place step one here)	Symmir split
2	(place step two here)	Symmir establish
3	(place step three here)	Shutdown the database
4	(place step four here)	Re-activate or import volume group and Re-mount file-system
5	(place step five here)	Unmount filesystem and de-activate or export volume group

Answer:

QUESTION 88:

For TimeFinder Snap operations, which two device types must be configured on a Symmetrix Array? (Choose two)

- A. Save Devices
- B. BCV Devices
- C. SRDF Device
- D. Parity RAID devices
- E. Virtual Devices

Answer: A,E

QUESTION 89:

SRDF/AR is characterized by which of the following three options? (Choose three)

- A. Unlimited distance.
- B. No data exposure.
- C. Some performance impact.
- D. Hours of data exposure.
- E. No performance impact.
- F. Seconds of data exposure.
- G. Limited distance.

Answer: A,D,E

QUESTION 90:

Select three reasons for recommending an optical network solution? (Choose three)

- A. Storage Consolidation.
- B. Backup Consolidation.
- C. To reduce the amount of data replication.
- D. Business Continuance.
- E. Web Server Farms.

Answer: A,B,D

QUESTION 91:

DRAG DROP

Certkiller .com charges you with the matching of an agent to each function, not forgetting that agents can be used more than once.

Agent	Function
(place here)	Manage sub-agent on hosts
(place here)	Facilitate remote installation and upgrade
(place here)	Manage specific storage resources on hosts
(place here)	Monitor and manage connectivity devices (e.g. switches)
(place here)	Provide indirect access to resources (e.g. SYMAPI Server)

Master Agent	Proxy Agent	Application Agent
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Answer:

QUESTION 92:

Of the following, which two are kinds of agents in the ControlCenter infrastructure?
(Choose two)

- A. Repository Agent
- B. Symmetrix Agent
- C. Server Agent
- D. Store Agent
- E. Master Agent

Answer: B,E

QUESTION 93:

DRAG DROP

In your capacity as an instructor for Certkiller .com, you are asked to match the appropriate SRDF term, which can be re-used, with the capabilities on the left-hand side.

SRDF Term	Capability
(place here)	User defined R1/R2 pairing
(place here)	SRDF swap is NOT allowed
(place here)	Performing a fast R1/R2 swap
(place here)	Ensuring write dependent consistency
(place here)	Pairing an R1 device with two R2 devices at the same time

Dynamic SRDF

Concurrent SRDF

Composite Groups

Answer:

QUESTION 94:

DRAG DROP

Certkiller .com wants you to match the appropriate SYMCLI to the SRDF action, by placing it in the correct position.

SYMCLI Command		SRDF Action	
(place here)		Create an SRDF device group	
(place here)		Perform a dynamic SRDF swap and re-establish the pair	
(place here)		Define a relationship between two Dynamic-SRDF enabled devices	

symdg create	symrdf -g mydg failover -restore
symrdf createdg	symrdf -g mydg failover -establish

symrdf createpair

Answer:

QUESTION 95:

After an initial SRDF full establish has been performed, what would the default synchronization process be?

- A. Adaptive copy
- B. Full establish
- C. Restore changed tracks
- D. Incremental establish

Answer: D

QUESTION 96:

In UNIX, the default location of the Solutions Enabler data base file is _____.

- A. /var/symapi/log/symapi_db.bin
- B. /var/symapic/config/symai_db.bin
- C. /var/symapi/db/log/symapi_db.bin
- D. /VAR/symapi/db.synampi_db.bin

Answer: D

QUESTION 97:

The EMC PowerPath Volume Manager (PowerVolume) 4.x Integration with Business Continuity Solutions Enabler operations, is describe by which three of the following statements?(Choose three)

- A. It Recognizes and enables use of space in larger sized target after split.
- B. It manually creates devices groups from Volume Groups.

- C. It automatically creates devices groups from Volume Groups.
- D. It recognizes and enables use of space in same target size after spilt.
- E. It gives a user the ability to import BCV copy on same host or different host as result of a spilt.

Answer: A,C,E

QUESTION 98:

If you are unable to issue SYMCLI commands to a remote SYMAPI server, which two of the following files should you check? (Choose two)

- A. symapidb
- B. netcnfg
- C. symapisic
- D. symapinlck
- E. nethost

Answer: B,E

QUESTION 99:

The benefits of using Replication Manager, can be described by which three of the following statements? (Choose three)

- A. Use HP StorageWorks RAID technology to perform incremental establish operations
- B. Use HP StorageWorks RAID technology to perform incremental establish operations.
- C. Mount replicas to alternate host to facilitate offline processing (for example, decision-support services, integrity checking, and offline reporting?
- D. Mount multiple replicas on the same mount host
- E. Facilitate quick, frequent, and non-disruptive backups from replicas
- F. Create local or remote BCV point-in-time copies of data

Answer: D,E,F

QUESTION 100:

When the Connectrix MDS-9509 Director is activated, which of the following is the supervisor module that is active?

- A. The module with the highest part number.
- B. The First module to become active.
- C. The module in the lowest slot number.
- D. The module with the higher serial number.

Answer: C

QUESTION 101:

The following two standard device groups have been created in a Symmetrix TimeFinder environment:

bcv1dg, which has five standard devices and five BCV devices. bcv2dg, which has no standard devices and five BCV devices.

The five standard devices will be moved, from bcv1dg to bcv2dg, by using which SYMCLI command?

- A. symld -g bcv1dg moveall bcv2dg
- B. symbcv -g bcv1dg moveall bcv2dg
- C. symld -g bcv2dg moveall bcv1dg
- D. symdg -g bcv1dg moveall bcv2dg

Answer: A

QUESTION 102:

A Replication Manager environment is best described by which three statements? (Choose three)

- A. Critical data that changes often is not a good candidate for frequent replication because of the frequency and volume of changes.
- B. You can replicate data that is spread across multiple homogeneous arrays
- C. Mirror devices that will be used for replicas may be grouped by storage parameters
- D. The number of replicas needed is based on the number of mirrors (local and remote)
- E. The Storage Services component of the client software manages the storage relationships between the client and the storage technologies used to create the replicas

Answer: B,C,E

QUESTION 103:

Which three of the following statements can best describe the functionality of ControlCenter agents? (Choose three)

- A. Master agents run on each host to manage application agents.
- B. The proxy agent has to be installed on a host prior to installing additional agents via a "push".
- C. Proxy agents facilitate remote installation and upgrade.
- D. All data from the agents, which are sent to the repository, are sent via the store.
- E. Proxy agents provide access via IP to local resources (e.g. SYMAPI server) from another host.

Answer: A,D,E

QUESTION 104:

To implement a consistent split using PowerPath, which two commands are utilized?
(Choose two)

- A. symmir -g groupname spilt -instant path stddevs
- B. symmir -g groupname split onsistent path staddevs
- C. symmir -g groupname split -instant -path /dev//rdsk/clt0d0\
- D. symmir -g groupname spilt -consistent -path /dev.rdisk.clt0d0

Answer: A,C

QUESTION 105:

Connectrix MDS 9000 series switches/directors currently support which three of the following port types? (Choose three)

- A. TL Port
- B. E Port
- C. F Port
- D. TE Port

Answer: B,C,D

QUESTION 106:

To simultaneously provide Read-Write access to both the R1 and R2 Volumes of the mydg device group, which SRDF SYMCLI command would be used?

- A. symrdf mydg spilt -concurrent
- B. symrdf mydg spilt
- C. symrdf mydg failover
- D. symrdf mydg suspend
- E. symrdf mydg suspend - concurrent

Answer: B

QUESTION 107:

Which of the following are three accurate statements that describe Symmetrix GigE Channel Directors? (Choose three)

- A. The GigE Director network bandwidth usage can be throttled downward.
- B. Outboard compression hardware is always required.
- C. Compression can be turned off.

- D. The GigE SRDF data flow uses two round trips per transfer operation.
- E. Prior to DMX, the GigE Director did not perform data compression.

Answer: A,C,E

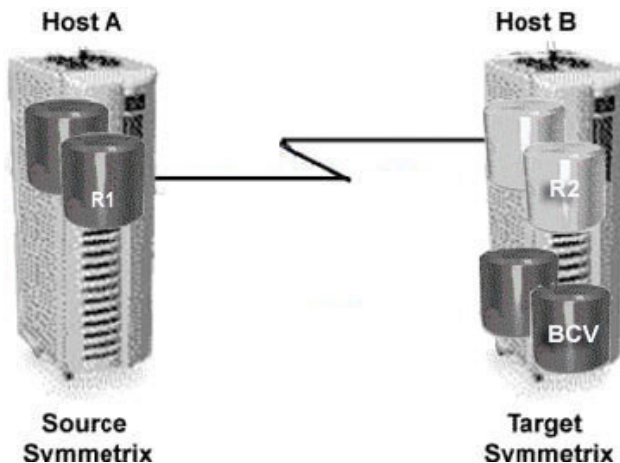
QUESTION 108:

Which of the following are two operations that are performed by using PowerPath Volume Manager? (Choose two)

- A. Pseudo Device supports.
- B. Disk Striping.
- C. Disk Mirroring.
- D. LVM migration.
- E. Logical Device Migration.

Answer: C,E

QUESTION 109:



A BCV has to be established with a R2 Device on the Target Symmetrix. A complementary R1 device on the Source Symmetrix is presented to Host Certkiller A. Which TimeFinder command, executed on Host Certkiller A, should establish the BCV and R2 device on the Target Symmetrix?

- A. symmir tfdg establish remote -full
- B. symir tfdg establish -full
- C. symmir tfdg establish df -full
- D. symmir tfdg establish bcv

Answer: C

QUESTION 110:

Which three describe replicas in a Replication Manager environment? (Choose three)

- A. With the Replication Manager software, the creation and file-cycle management of time-stamped, cataloged replicas can be coordinated.
- B. A replica is a copy of an RMSet resulting from a successful replication operation.
- C. The replicas are static, mirror-copies of the production information at each time of replication.
- D. All static state information about RMSet, replicas, and the storage they use is stored in an embedded database (a SOLID SQL Server database).
- E. Replication can be selected for mounting and for restore.

Answer: A,C,E

QUESTION 111:

Which of the following Connectrix MDS Modes have redundant Supervisor Modules?

- A. MDS 9509
- B. MDS 9120
- C. MDS 9140
- D. MDS 9216

Answer: A

QUESTION 112:

What are the three features of SRDF/A, if cache and bandwidth are suitably configured? (Choose three)

- A. Seconds of data exposure.
- B. No data exposure.
- C. Hours of data exposure.
- D. Some performance impact.
- E. Limited distance.
- F. No performance impact.
- G. Unlimited distance.

Answer: A,F,G