



Free Questions for DEE-1111

Shared by Carlson on 29-01-2024

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# Question 1

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Question Type: MultipleChoice

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An SRDF/Metro device pair was in an ActiveActive state. A link failure between arrays occurs. The application continues running on the R1 side, and the link failure is addressed.

What is the current state of the Metro device pair?

Options:

- A- Suspended
- B- Active Bias
- C- Active Active
- D- Partitioned

Answer:

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B

Explanation:

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An SRDF/Metro device pair was in an ActiveActive state, meaning that both the R1 and R2 devices were read/write accessible to the host or hosts. A link failure between arrays occurs, causing the device pair to become Not Ready (NR) on the SRDF link. SRDF/Metro responds by making the non-biased or R2 paired device inaccessible (not ready) to the host or host cluster, while keeping the biased or R1 paired device accessible (ready). This ensures that there is no data inconsistency or split-brain scenario between the two sites. The device pair enters an Active Bias state, which indicates that **only one side of the pair is active** and has a bias attribute set. The bias attribute determines which **side of the pair remains accessible** in case of a link failure. By default, the bias is set to the R1 **side of the pair**, but it **can be changed** using the symrdf set bias command. The application continues running on the R1 side, and the link failure is addressed. Once the link is restored, the device pair resumes the ActiveActive state and both devices become accessible again.

[SRDF/Metro overview](#)

[VMware vSphere Metro Storage Cluster \(vMSC\) with Dell PowerMax and Dell EMC VMAX SRDF/Metro](#)

[Understanding bias](#)

## Question 2

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Question Type: MultipleChoice

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A DG group is part of a snapshot schedule which runs each day at 9 am then linked to a set of targets for a full copy after termination. Additional volumes were added which increased the link to full copy time.

What course of action will prevent the issue?

Options:

- A- Set copy to URGENT
- B- Relink with the -precopy option
- C- Set copy pace 16
- D- Relink without the -copy option

Answer:

B

Explanation:

The-precopyoption in therelinkcommand can be used when you want to start copying data to the target devices immediately after the link operation. This can be useful in situations where additional volumes have been added, increasing the link to full copy time. By using-precopy, you ensure that the data starts copying immediately, preventing potential issues.

## Question 3

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Question Type: MultipleChoice

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Refer to the exhibit.

```
SUN1-88-21/> symstar -cg sun1star query|more

System State:
{
  1st_Target_Site      : PathFail
  2nd_Target_Site      : Protected
  STAR                 : Tripped
  Mode of Operation    : Concurrent
}
```

What should be done first to recover from this Concurrent SRDF/Star configuration failure?

Options:

- A- Switch to the 1st Target Site
- B- Reset the 2nd Target Site
- C- Reset the 1st Target Site
- D- Disable Star

Answer:

A

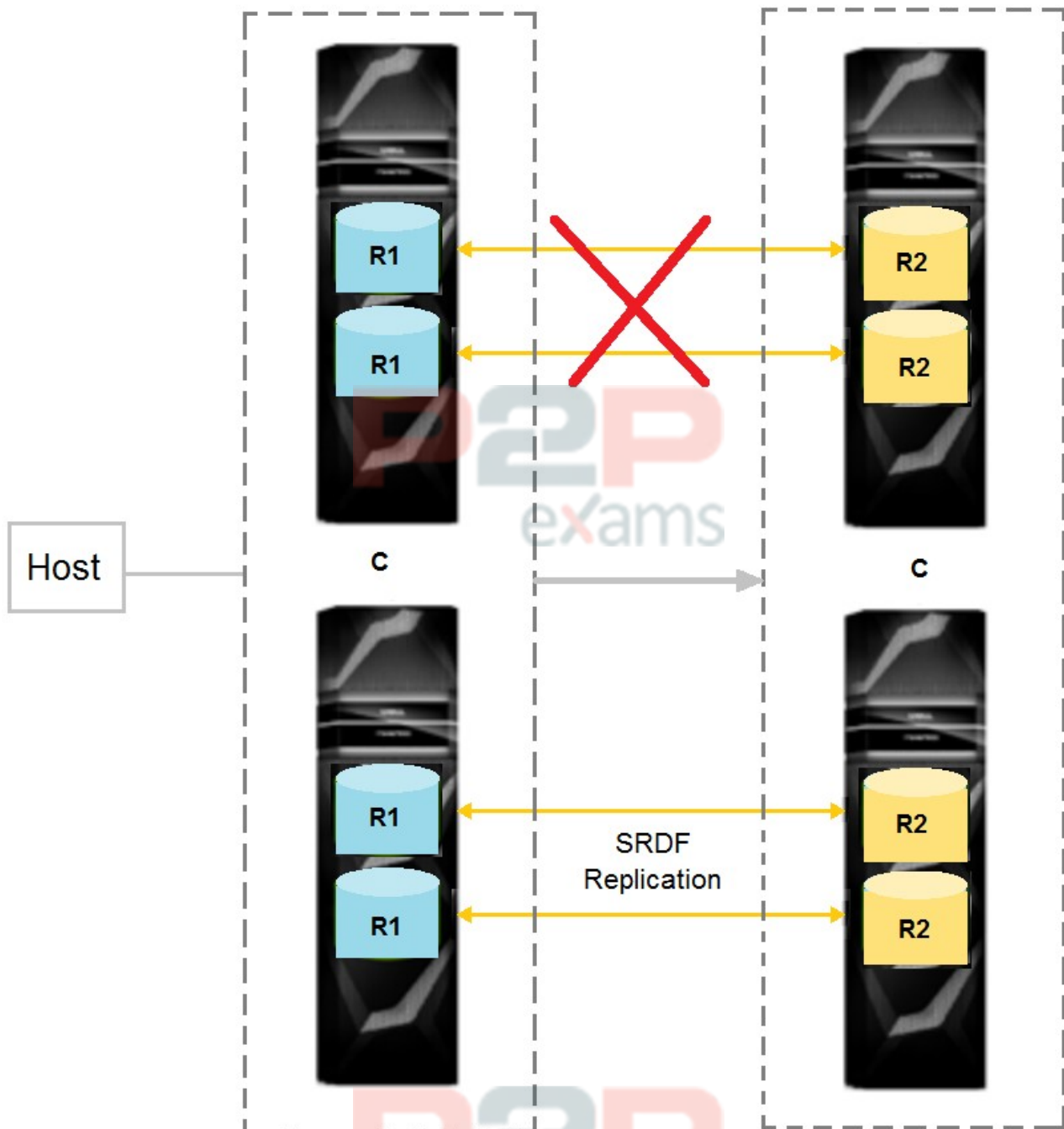
Explanation:

In a Concurrent SRDF/Star configuration failure, the first step to recover is to switch to the 1st Target Site. This is because in a Concurrent SRDF/Star configuration, there are two target sites and one source site. If there's a failure, the source site can switch to either of the target sites based on the business continuity plan. Reference: Dell EMC Solutions Enabler 9.2 SRDF Family CLI User Guide

## Question 4

Question Type: MultipleChoice

Refer to exhibit.



The RDF-ECA timer has expired.

What is the state of all the RDF links?

Options:

- A- failed over
- B- suspend
- C- online
- D- split

Answer:

B

Explanation:

When the RDF-ECA timer expires, all RDF links will be in a 'Suspend' state. This is because the RDF-ECA timer is used to control how long SRDF waits for an acknowledgement from the remote array before it suspends the link. If an acknowledgement is not received within this time, SRDF assumes that there is a problem with the link or remote array and suspends the link to prevent data loss or corruption.



## Question 5

Question Type: MultipleChoice

SRDF/Metro has been deployed and is operating normally. Maintenance tasks at the R1 data center require the array to be offline.

Which SRDF operation should be executed on the Metro RDF pairs to facilitate the planned outage without affecting application I/O?

Options:

- A- Swap
- B- Failover
- C- Split with bias set to R2
- D- Suspend with bias set to R2



Answer:

A

Explanation:

When maintenance tasks at the R1 data center require the array to be offline, a Swap operation should be executed on the Metro RDF pairs. This operation allows for a planned outage without affecting application I/O by swapping the roles of R1 and R2 devices.

## Question 6

Question Type: MultipleChoice

An administrator is trying to view the SLO Compliance Report but is unable to find data for an issue that occurred 7 months ago.

What is the maximum retention period?

Options:

- A- Last month
- B- Last 2 weeks
- C- 6 months
- D- 3 months

Answer:

C

Explanation:

The maximum retention period for the SLO Compliance Report is 6 months. This means that data older than 6 months will not be available in the report

## Question 7

Question Type: MultipleChoice

Which KPIs should be reviewed when analyzing BE performance using the PowerMax array?

Options:

- A- Reqs/sec and IOPS
- B- Balance and Reqs/sec
- C- IOPS and Utilization
- D- %Busy and Balance

Answer:

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D

Explanation:

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The %Busy and Balance KPIs are the most important indicators of the BE performance on a PowerMax array. The %Busy metric shows the percentage of time that a BE director is busy processing I/O requests. A high %Busy value may indicate that the BE director is overloaded and cannot keep up with the demand. The Balance metric shows the difference in %Busy between the two BE directors in a pair. A high Balance value may indicate that the workload is not evenly distributed across the pair, which can lead to performance degradation. By monitoring these two KPIs, a storage administrator can identify and troubleshoot any potential issues with the BE performance.

[PowerMax Performance Troubleshooting with Unisphere - Run a real time trace at the system level](#)

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