



E20-807^{Q&As}

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QUESTION 1

A company is evaluating the deployment of SRDF/Star on VMAX3 arrays. One of the concerns is that the SRDF daemon represents a single point of failure.

How could this concern be addressed?

- A. RDF daemon process runs on the embedded Tools Virtual Machines and has built-in high availability.
- B. Run RDF daemons on multiple management stations at the workload site. RDF daemons will cooperate with each other.
- C. Run an RDF daemon on one management station at each of the three sites. If the workload site RDF daemon fails, one of the RDF daemons from the other two sites will take over.
- D. RDF daemon process runs on the VMAX3 array. If the workload site RDF daemon fails, the RDF daemon from one of the other sites will take over.

Correct Answer: D

QUESTION 2

What is a requirement for Non-Disruptive Migration (NDM) to a VMAX All Flash or VMAX3 array?

- A. Application host connected through FC to both arrays
- B. Application host connected through FC to only the source array
- C. Individual NDM licenses on both arrays
- D. eManagement running on both arrays

Correct Answer: A

QUESTION 3

What is the starting point for a new SRDF/Metro deployment?

- A. Empty RDF group and Staging RDF group between two VMAX3 arrays SRDF pairs in a Staging group in a Suspended state
- B. RDF group between two VMAX3 arrays SRDF pairs in an Active mode and a Suspended state
- C. RDF group between two VMAX3 arrays SRDF pairs in a Suspended state
- D. Empty RDF group between two VMAX3 arrays Non-SRDF devices on both arrays

Correct Answer: D



QUESTION 4

SRDF/A MSC has been configured between two sites. There are two VMAX3 arrays at the source site and two VMAX3 arrays at the target site. An SRDF/A MSC trip event has occurred. What happens if the Receive Delta Set on one of the target arrays is incomplete?

- A. Partial Receive Delta Set data is applied
- B. Receive Delta Set data is discarded
- C. Session is marked as Cleanup required
- D. Session is marked as Partitioned

Correct Answer: B

QUESTION 5

On a VMAX3 array, under which type of workload will Selective Cache Mirroring provide significant performance optimization?

- A. Large block Write Miss I/Os
- B. Small block Write Hit I/Os
- C. Large block Read Miss I/Os
- D. Large block Read Hit I/Os

Correct Answer: A

QUESTION 6

While analyzing performance of a VMAX3 array, the following details are observed?

High host response time Low FE response time High host CPU utilization

What should be investigated further?

- A. SAN connectivity
- B. Disk delays
- C. I/O queuing on the host
- D. I/O queuing on the frontend

Correct Answer: C

Reference: <https://thesanguy.com/2012/09/25/san-performance-metrics/>



QUESTION 7

With a response time of 2 ms, the utilization is at 50%. Based on Little's Law, what is the new service time if the utilization increases to 80%?

- A. 1ms
- B. 2 ms
- C. 4 ms
- D. 5 ms

Correct Answer: D

QUESTION 8

When FAST.X is used to access five VNX arrays from a single VMAX3, what is the minimum number of DX ports required?

- A. 4
- B. 10
- C. 20
- D. 40

Correct Answer: C

DX directors are configured in dual initiator (DI) pairs like traditional DAs. They are fully redundant like DAs and, when necessary, a failing director fails over to the other, fully functioning director in the DI pair. EMC requires a minimum of four paths to external devices. This means that at least four ports belonging to a single DX dual-initiator pair must be configured.

QUESTION 9

What is a characteristic of sequential read I/Os on a VMAX3 array?

- A. Prefetch task will stop when sequential I/O stops
- B. Higher priority than the host I/O
- C. DA will start the prefetch task
- D. tracks are red into cache by the frontend director

Correct Answer: C

Reference: <https://uk.emc.com/collateral/technical-documentation/docu55786-vmax3-service-level-pro-fully-automated-storage.pdf> (16)



QUESTION 10

A company is using a local VMAX3 for production and another VMAX3 on a remote location for disaster recovery purposes that is 5000 kilometers away. Which SRDF mode supports an RPO of 2 seconds?

- A. SRDF/S
- B. SRDF/A
- C. SRDF.DM
- D. SRDF/A MSC

Correct Answer: B

Reference: <https://taiwan.emc.com/collateral/technical-documentation/h14556-vmax3-srdf-metro-overview-and-best-practices-tech-note.pdf>

QUESTION 11

Which daemon must be running on the Unisphere for VMAX server to collect performance data?

- A. storstd
- B. storapid
- C. storgnsd
- D. storsrvd

Correct Answer: A

QUESTION 12

In an SRDF/Metro environment, where is the vWitness lock service, -storwlsd, running?

- A. On the vWitness instance
- B. On the target array
- C. On the source array
- D. On the production host

Correct Answer: A

Reference: <https://www.emc.com/collateral/technical-documentation/h14556-vmax3-srdf-metro-overview-and-best-practices-tech-note.pdf?isKoreaPage=false&domainUrlForCanonical=https%3A%2F%2Fwww.emc.com> (15)

QUESTION 13



An administrator implemented SYMAcLs on a VMAX3 using hardware-based Access IDs. The administrator is not able to run SYMCLI commands against the volumes belonging to a host. The volumes were originally provisioned using the host in which the host in which the administrator experienced issues.

What is a possible reason for this issue?

- A. SYMAPI options file was manually modified with the wrong host ID
- B. symacl –unique –passphrase was run using a different passphrase
- C. Host is not in the eMgmt Access Group
- D. Host network interface card was replaced

Correct Answer: B

QUESTION 14

In an SRDF/Metro environment, what is a requirement for an Array Witness?

- A. Witness RDF between the source and the target
- B. Witness RDF group on the witness array containing the source and the target SRDF/Metro devices
- C. One RDF group on the witness array to both the source and the target
- D. Two RDF groups on the witness array; one to the source and one to the target

Correct Answer: A

QUESTION 15

Based on business requirements, Concurrent SRDF/Star has been implemented with host infrastructure at the Workload and Asynchronous sites. A disaster fault has occurred. Star query shows:



System State:

```
{
1st_Target_Site           : PathFail
2nd_target_Site          : PathFail
STAR                       : Tripped
Mode of Operation         : Concurrent
}
```

STAR Information:

```
{
STAR Consistency Capable  : Yes
STAR Consistency Mode    : STAR
Synchronous Target Site  : SiteB
Asynchronous target Site : SiteC
Differential Resync Available : Yes
R2 Recoverable           : Yes
Asynchronous target Site Data most Current : Yes
}
```

Which site should the workload be moved to and which site's data should be kept?

- A. Switch to the Synchronous site Keep the Synchronous site data
- B. Switch to the Asynchronous site Keep the Asynchronous site data
- C. Switch to the Synchronous site Keep the Asynchronous site data
- D. Switch to the Asynchronous site Keep the Synchronous site data

Correct Answer: D

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