

# E20-807<sup>Q&As</sup>

Expert - VMAX All Flash and VMAX3 Exam

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**QUESTION 1**

Performance analysis on a VMAX3 has shown that the current workload is 15,000 IOPS at an average response time of 13 ms. Workload will increase to 30,000 IOPS.

What will be the response time expectation?

- A. 14 ms
- B. Between 13-26 ms
- C. 26 ms
- D. Greater than 26 ms

Correct Answer: B

**QUESTION 2**

DRAG DROP

What is the correct sequence of steps when the Non-Disruptive Migration create operation is run?

Select and Place:

SCSI reservations are replicated from the source to the target	Step 1
Masking View is created on the target array	Step 2
RDF pairs are created and placed in "pass-through" mode	Step 3
Application's storage configuration is replicated from the source to the target	Step 4
Device IDs on the target array are set to the source array's device IDs	Step 5

Correct Answer:

	Application's storage configuration is replicated from the source to the target
	RDF pairs are created and placed in "pass-through" mode
	SCSI reservations are replicated from the source to the target
	Device IDs on the target array are set to the source array's device IDs
	Masking View is created on the target array

Reference: [https://www.google.com/url?sa=t&drct=j&ndq=andescr=s&ndsource=web&ndcd=2&ndcad=rja&nduact=8&ndved=2ahUKEwiDxOC-8lfdAhWq-ioKHcH2DZkQFjABegQIBxAC&url=https%3A%2F%2Fdelltechnologiesworldonline.com%2F2017%2Fconnect%2FfileDownload%2Fsession%2F80D60E17BDDA3133AED6533292546972%2Fstorage07%2520VMAX%2520EnsuringNonDisruptiveMigrationtoVMAXAllFlash\\_topost.pdf&usg=AOvVaw3UoOzA7rnU9VvZyUcA61Sm](https://www.google.com/url?sa=t&drct=j&ndq=andescr=s&ndsource=web&ndcd=2&ndcad=rja&nduact=8&ndved=2ahUKEwiDxOC-8lfdAhWq-ioKHcH2DZkQFjABegQIBxAC&url=https%3A%2F%2Fdelltechnologiesworldonline.com%2F2017%2Fconnect%2FfileDownload%2Fsession%2F80D60E17BDDA3133AED6533292546972%2Fstorage07%2520VMAX%2520EnsuringNonDisruptiveMigrationtoVMAXAllFlash_topost.pdf&usg=AOvVaw3UoOzA7rnU9VvZyUcA61Sm)

### QUESTION 3

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 4

Based on the exhibit, which user(s) can enable/disable symauth?

```
C:\>symauth -sid 82 list -users
```

S Y M M E T R I X     A U T H O R I Z A T I O N     U S E R S

```
Symmetrix ID: 000196800782
```

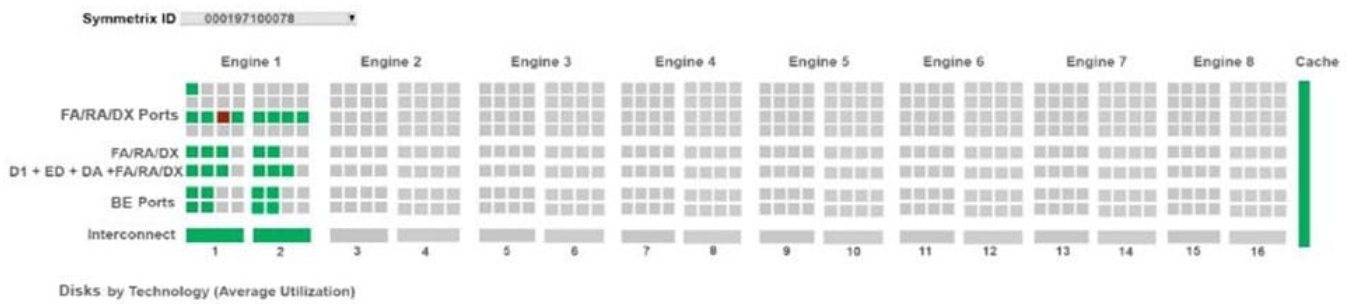
Role	User/Group name	Component
SecurityAdmin	User N:scc12\Bob User N:scc12\Frank	N/A N/A
StorageAdmin	Group D:Eng\StorAdmin	N/A
Auditor	User N:scc12\Beth	N/A
PerfMonitor	User N:scc12\Jackie User N:scc12\Jenn User N:scc12\Jill	N/A N/A N/A
Monitor	User N:scc12\Jackie User N:scc12\Jenn User N:scc12\Jill	N/A N/A N/A

- A. Bob and Frank
- B. Jackie, Jenn, and Jill
- C. Beth
- D. Bob, Frank, and Beth

Correct Answer: A

### QUESTION 5

Based on the Array Utilization Dashboard shown in the exhibit, a frontend port is showing higher utilization on Director 1. How can this situation be corrected?



- A. Add another engine to provide for Frontend Emulation CPUs
- B. Redistribute the workload onto other available ports
- C. Increase cache on the engine
- D. Add additional capacity to support the frontend workload

Correct Answer: B

**QUESTION 6**

When utilizing storage on a VMAX3, what should be created for each application/server to assist in proper performance analysis over time?

- A. Gaussian graphs
- B. Trendline graphs
- C. Stacked graphs
- D. Baseline graphs

Correct Answer: C

**QUESTION 7**

On a VMAX3 array, for which type of workload does FlashBoost help in optimizing performance?

- A. Sequential Reads
- B. Sequential Writes
- C. Random Writes
- D. Random Reads

Correct Answer: D

### QUESTION 8

SRDF/Metro has been deployed between two data centers. SRDF/Metro 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?

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

Correct Answer: A

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### QUESTION 9

A VMAX3 with internal tiers of EFD and 10k drives is using FAST.X with XtremIO. How can the existing infrastructure be leverage while minimizing increased storage capacity? in the impl.bin file?

- A. BE\_centric
- B. Default
- C. DX.Heavy
- D. FE\_centric

Correct Answer: B

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### QUESTION 10

A VMAX3 storage group is not SLO compliant. No changes to the application I/O profile have occurred.

Which factor may be responsible for the SLO compliance impact?

- A. storgnsd daemon was enabled
- B. Host queue depth setting was changed
- C. Increase write activity from the application
- D. Increased activity from other storage groups sharing the same ports/directions

Correct Answer: D

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### QUESTION 11

After a failure of a Concurrent SRDF/Star configuration, the Star query shows:

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

Which Star action(s) should be executed first to recover from this failure?

- A. Reset 1st Target Site
- B. Cleanup 2nd Target Site, followed by Reset 2nd Target Site
- C. Disable Star
- D. Cleanup 2nd Target Site, followed by Switch to 2nd target site

Correct Answer: D

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#### QUESTION 12

A VMAX3 array needs additional capacity added. The array is providing acceptable performance and the administrator wants to ensure performance is maintained as new drives are added.

A VMAX3 array needs additional capacity added to maintain performance?

- A. Add storage to all tiers maintaining the existing ratio
- B. Add storage to a new internal SRP
- C. Add storage to the most over utilized tier
- D. Add storage to a new external SRP

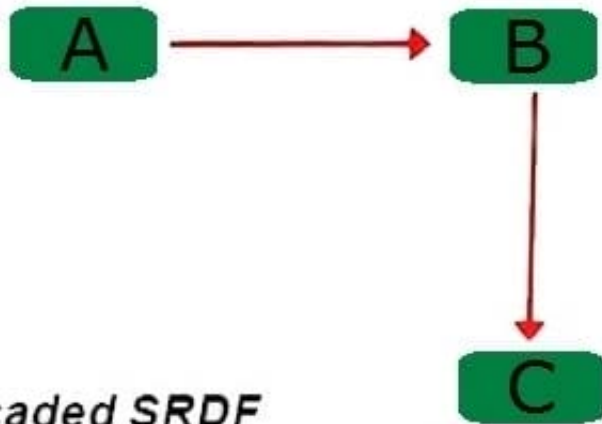
Correct Answer: A

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#### QUESTION 13

Refer to the Exhibit.

## Workload



### Cascaded SRDF

Cascaded SRDF has been deployed on VMAX3 has been deployed on VMAX3 arrays. The SRDF mode has been set to Asynchronous between Sites A and B.

Which SRDF mode is permitted between Sites B and C?

- A. Adaptive Copy Write Pending
- B. Synchronous
- C. Adaptive Copy Disk
- D. Asynchronous

Correct Answer: C

### QUESTION 14

A new VMAX3 array has been added to the environment. Unisphere for VMAX has discovered the array and can be used to manage the array. However, Unisphere is not able to collect any performance data for the array.

What is a possible cause?

- A. Registration for performance data collection has not been done
- B. Performance data repository is full
- C. storgnsd daemon is not running
- D. Root Cause Analysis Interval was changed

Correct Answer: A



**QUESTION 15**

How can TDEVs be moved between the SRPs when using FAST.X?

- A. By associating the TDEVs with a different SLO
- B. By changing the Virtual Pool for the TDEVs
- C. By changing the SRP associated with the storage group
- D. By using Virtual LUN Migration

Correct Answer: C

Reference: <https://czech.emc.com/collateral/technical-documentation/h14568-fast.x-design-bestpractices-tech-note.pdf>  
(19)

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