E20-807 Q&As

Expert - VMAX All Flash and VMAX3 Exam

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QUESTION 1

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

QUESTION 2

What is requirement when setting up a Composite Group (CG) for SRDF/Star in an open systems environment?

A. Composite Group is created with the Star Build CG action

B. Composite Group is created with the type set to ANY

C. Recovery group assignments should match the recovery groups defined in the Star Options file

D. Names assigned to RDF groups match the site names in the Star Options file

Correct Answer: C

QUESTION 3

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 4

On a VMAX3 array, when will the backend director give equal priority to read miss and destage operations?

A. At 5% of the System Write Pending Limit

B. At 50% of the System Write Pending Limit

C. At 75% of the configured cache in the array

D. At 75% of the SRDF/A cache usage

Correct Answer: B

QUESTION 5

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

QUESTION 6

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 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

A VMAX3 array has been configured to use TimeFinder SnapVX. A snapshot is taken of a LUN that currently resides on a 10k drive. Which mechanism will SnapVX use when there is a write to a linked target volume?

A. COFW

B. ROW

C. ACORW

D. COW

Correct Answer: B

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

QUESTION 10

On a VMAX3 array, which SYMACL security concept controls a list of hosts with unique IDs?

A. Access Control Entries

B. Access Control Groups

C. Access Control List

D. Access Pools

Correct Answer: B

Reference: https://uk.emc.com/collateral/TechnicalDocument/docu61124.pdf (61)

QUESTION 11

A server is hosting an online application and is experiencing performance issues. Which component of the architectural layer has the lowest probability of impacting performance?

A. Operating System

B. Server

C. Application

D. Disk

Correct Answer: A

QUESTION 12

What is a key difference between SRDF/Metro and SRDF/S?

A. SRDF/Metro: R1 devise is host accessible, R2 is red-only SRDF/S: R1 is host accessible, R2 is write disabled

B. SRDF/Metro: R1 and R2 devices are host accessible at the same time SRDF/S: R1 devices are host accessible, R2 devices are write disabled

C. SRDF/Metro: R2 can be larger than R1 SRDF/S R2 cannot be larger than R1

D. SRDF/Metro: Requires a third array for any witness functionality SRDF/S: Does not require a third array

Correct Answer: B

QUESTION 13

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 14

Performance analysis on VMAX3 FE ports have shown that a large number of QFULL responses were returned to their best performing hosts. However, other hosts suffered from high response times.

What needs to be configured in order to lower the high response times?

A. Decrease the queue depth of the poor performing hosts

B. Increase the queue depth for all hosts

C. Set similar queue depths for all hosts

D. Increase the queue depth of the best performing hosts

Correct Answer: A

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

QUESTION 15

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

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