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QUESTION 1

Your customer has recently purchased a VNX to host their three Oracle RAC database environments and automated payment processing application. The RACs and application are differentiated as follows: ORA- PROD, ORA-STAGE, ORADEV, APP-PROD, APP-STAGE, and APP-DEV.

The customer has provided you with their Enterprise Storage Policy (ESP) and is requesting that you adhere to this policy when architecting their new VNX solution. The ESP states the following as it relates to Oracle database storage requirements:

All LUNs must be configured as raw devices

All LUNs must be managed using ASM

No fewer than two LUNs per ASM disk group

No more than one database per RAC per RAID Group

No more than three databases per RAID Group

All data LUNs must be 1000 GiB RAID 5

All FRA LUNs must be 500 GiB RAID 1/0

No more than eight total disks per RAID Group

No fewer than four disks per RAID Group

Based on the ESP, and assuming ORA-PROD has six instances, what is the minimum number of disks required?

- A. 4
- B. 8
- C. 12
- D. 24

Correct Answer: B

QUESTION 2

A customer is implementing a VNX for File solution in a performance-oriented application environment. There are Windows and Linux VM clients accessing the file systems. The customer wants to track both file system and DataMover utilization. The Performance Administrator prefers GUI to CLI access.

What would you recommend?

- A. Unisphere Statistics for File
- B. server_stats



- C. Custom monitoring script
- D. Unisphere Analyzer

Correct Answer: A

QUESTION 3

Your customer wants to enable file deduplication on an existing data-populated VNX for File system, based on the following specifications:

Moderately busy file system scan rate: 500 files per second

Moderately busy file system ingest scan rate: 5 MB/sec

Number of files: 1 M

Average file size: 50 KiB

Estimated deduplication: 30%

How long will the initial deduplication take to complete?

- A. 25 min
- B. 42 min
- C. 82 min
- D. 116 min

Correct Answer: C

QUESTION 4

A customer's database resides on a RAID 5 Pool with SAS drives. Which best practice should be followed to optimize Reserved LUN Pool disk performance?

- A. Use equal size thin LUNs from the same Pool as the database
- B. Use a mix of both SAS and NL-SAS disks from the same Pool as the database
- C. Use only SAS disks on dedicated RAID Groups
- D. Use only NL-SAS II drives on dedicated RAID Groups

Correct Answer: A

QUESTION 5



You are designing a VNX storage solution for an Oracle database implementation. The VNX is populated with Flash, SAS and NL-SAS drives. The customer has asked you to recommend the optimal disk layout for the Oracle Automated Storage Manager instance disk group.

Which recommendation best conforms to EMC best practices?

- A. 8 RAID 1/0 Flash LUNs
- B. 4 RAID 1/0 Flash LUNs, 4 RAID 1/0 SAS LUNs
- C. 4 RAID 1/0 Flash LUNs, 4 RAID 5 Flash LUNs
- D. 4 RAID 1/0 SAS LUNs, 4 RAID 6 NL-SAS LUNs

Correct Answer: A

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