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QUESTION 1

Which statement describes how memory and NVRAM are used by ONTAP during write requests?

- A. The write request enters memory and is passed to NVRAM and the partner's NVRAM, a write acknowledgement is sent to the client, and data is written to disk at the next consistency point.
- B. The write request enters NVRAM and is passed to the partner's NVRAM, data is written to disk, and a write acknowledgement is sent to the client.
- C. The write request enters memory and is passed to the partner's NVRAM, data is written to disk, and a write acknowledgement is sent to the client.
- D. The write request enters memory, a write acknowledgement is sent to the client, the request is passed to the partner's NVRAM, and data is written to disk.

Correct Answer: C

Reference: <https://bitpushr.wordpress.com/category/performance/>

QUESTION 2

Click the Exhibit button.



===== ENVIRONMENT =====

Channel: 0a

Shelf: 01

SES device path: local access: 0b.01.99

Module type: IQM6; monitoring is active

Shelf status: critical condition

SES Configuration, shelf 01:

logical identifier=0x50050cc10201f73b

vendor identification=NETAPP

product identification=DS4246

product reversion level=0212

Vendor-specific information:

Product Serial Number: SHX0954493H1HVG

Status reads attempted: 1759057; failed: 0

Control writes attempted: 0; failed: 0

Shelf bays with disk devices installed:

23, 22, 21, 20, 19, 18, 17, 16, 15, 14, 13, 12, 11, 10, 9,

8, 7, 6, 5, 4, 3, 2, 1, 0

With error: none

Power Supply installed element list: 1, 4; with error: 1

Power Supply information by element:

[1] Serial number: PMW8256300690BE Part number: 0082562-12

Type: 9C

Firmware version: 0311 Swaps: 0

[2] Serial number: Part number:

Type:

Firmware version: Swaps: 0

[3] Serial number: Part number:

Type:

Firmware version: Swaps: 0

[4] Serial number: PMW825630065ECB Part number: 0082562-12

Type: 9C

Firmware version: 0311 Swaps: 0

Voltage sensor installed element list: 1,2,7,8; with error: 7 8

Shelf voltages by element:

[1] 5.00 Volts Normal voltage range

[2] 12.01 Volts Normal voltage range

[3] Unavailable

[4] Unavailable

[5] Unavailable

[6] Unavailable

[7] Unavailable

[8] Unavailable

Current Sensor installed element list: 1,2,7,8; with error: none

Shelf currents by element:

[1] 7850 mA Normal current range

[2] 6050 mA Normal current range

[3] Unavailable

[4] Unavailable

Cooling Unit installed element list: 1,2,7,8; with error: 8

Cooling Units by element:

[1] 2920 RPM

[2] 3000 RPM

[3] Unavailable

[4] Unavailable

[5] Unavailable

[6] Unavailable

[7] 3370 RPM

[8] Unavailable



Temperature Sensor installed element list: 1, 2, 3, 4, 9, 10, 11, 12; with error: none

Shelf temperatures by element:

- [1] 27 C (80 F) (ambient) Normal temperature range
- [2] 37 C (98 F) Normal temperature range
- [3] 37 C (98 F) Normal temperature range
- [4] 46 C (114 F) Normal temperature range
- [5] Unavailable
- [6] Unavailable
- [7] Unavailable
- [8] Unavailable
- [9] 37 C (98 F) Normal temperature range
- [10] 47 C (116 F) Normal temperature range
- [11] 41 (105 F) Normal temperature range
- [12] 41 C (105 F) Normal temperature range

Temperature thresholds by element:

- [1] High critical: 42 C (107 F); high warning: 40 C (104 F)
Low critical: 0 C (32 F); Low warning: 5 C (41 F)
- [2] High critical: 55 C (131 F); high warning: 50 C (50 F)
Low critical: 5 C (41 F); Low warning: 10 C (50 F)
- [3] High critical: 55 C (131 F); high warning: 50 C (122 F)
Low critical: 5 C (41 F) Low warning: 10 C (50 F)
- [4] High critical: 70 C (158 F); high warning: 65 C (149 F)
Low critical: 5 C (41 F); low warning: 10 C (50 F)
- [5] High critical: Unavailable; high warning: Unavailable
Low critical: Unavailable; low warning: Unavailable
- [6] High critical: Unavailable; high warning: Unavailable
Low critical: Unavailable; low warning: Unavailable
- [7] High critical: Unavailable; high warning: Unavailable
Low critical: Unavailable; low warning: Unavailable
- [8] High critical: Unavailable; high warning: Unavailable
Low critical: Unavailable; low warning: Unavailable
- [9] High critical: 55 C (131 F); high warning: 50 C (122 F)
Low critical: 5 C (41 F); low warning: 10 C (50 F)
- [10] High critical: 70 C (158 F); high warning: 65 C (149 F)
Low critical: 5 C (41 F); low warning: 10 C (50 F)
- [11] High critical: 60 C (140 F); high warning: 55 C (131 F)
Low critical: 5 C (41 F); low warning: 10 C (50 F)
- [12] High critical: 60 C (140 F); high warning: 55 C (131 F)
Low critical: 5 C (41 F); Low warning: 10 C (50 F)

ES Electronics installed element list: 1, 2; with error: none

ES Electronics reporting element: 1

ES Electronics information by element:

- [1] Serial number: IMS0948580G3CCQ Part number: 0948580-05
CPLD version: 14 Swaps: 0
- [2] Serial number: IMS0948580GF1RW Part number: 0948580-23
CPLD version: 14 Swaps: 0

SAS connector attached element list: 1, 2, 3, 4; with error: none

SAS cable information by element:

- [1] Vendor: Amphenol
Type: QSFP+ passive copper 0.5-1.0m ID: Swaps: 0
Serial number: APF16280116483 Part number: X66020A-R6+A0
- [2] Vendor: Amphenol
Type: QSFP+ passive copper 0.5-1.0m ID: 01 Swaps: 0
Serial number: APF16280116484 Part number: X66020A-R6+A0
- [3] Vendor: Molex Inc.
Type: QSFP+ passive copper 2m ID: 01 Swaps: 0
Serial number: 616630488 Part number: 112-00430+A0
- [4] Vendor: Molex Inc.
Type: QSFP+ passive copper 2m ID: 01 Swaps: 0
Serial number: 616630590 Part number: 112-00430+A0

ACP installed element: list: 1, 2; with error; none

ACP information by element:

- [1] MAC address: 00:50:CC:65:DD:69
- [2] MAC address: 00:50:CC:77:72:D6

SAS Expander Module installed element list: 1, 2; with error: none

SAS Expander master module: 1



Using the data shown in the exhibit, which two parts would you recommend replacing? (Choose two.)

- A. PSU2
- B. I/O module (IOM) 1
- C. PSU1
- D. I/O module (IOM) 2

Correct Answer: CD

QUESTION 3

A customer explains that the Active IQ section of the NetApp Support site indicates that their controller has not called home within the past three months. They are not using a mail host to deliver AutoSupport notifications. When troubleshooting the AutoSupport message, you enter the event log show messagename asup.post* command.

In this scenario, what would you expect to see on the console?

- A. event-management system (EMS) events for the AutoSupport system that are related to SMTP
- B. a history of all error events related to the AutoSupport system
- C. event-management system (EMS) events for the AutoSupport system that are related to HTTP/HTTPS
- D. event-management (EMS) events for the AutoSupport system that are related to any protocol

Correct Answer: A

QUESTION 4

Users are experiencing Kerberos authentication problems when attempting to access CIFS shares on the AcmeFS01 SVM. However, users are able to access shares hosted on Windows servers. You verify that network connectivity, between the SVM and the domain controllers, is working correctly.

What should you do to troubleshoot the authentication issue?

- A. Ensure that the time on the ONTAP cluster is correct.
- B. Verify that the users\' computers can resolve DNS hostnames.
- C. Verify that the users\' computers can ping the SVM data LIF.
- D. Verify that the SVM data LIF is on its home port.

Correct Answer: B

QUESTION 5

What is the proper command to start a packet trace in ONTAP 9.3?



- A. system node run -node * pkt
- B. network ping
- C. network traceroute
- D. network tcpdump start

Correct Answer: D

Reference: https://kb.netapp.com/app/answers/answer_view/a_id/1029833/~/_/how-to-capture-packettraces-%28tcpdump%29-on-ontap-9.2%2B-systems-

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