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**Exam : NS0-192**

**Title : NetApp Certified Support  
Engineer**

**Version : DEMO**

1.A customer recently performed an ONTAP upgrade and would like to confirm the successful completion of the process.

Which three actions would satisfy this requirement? (Choose three.)

- A. Execute the version command at the cluster shell.
- B. Verify the version from the new AutoSupport that was automatically triggered after an upgrade.
- C. A System Message notification will be shown upon reboot after a successful upgrade.
- D. Execute the system node upgrade-revert show command at the cluster shell.
- E. Execute the system node upgrade-revert show-task-status command at the cluster shell.

**Answer:** A,C,D

2.You are adding an additional node to a single-node cluster.

Which of the actions should be performed after this upgrade? (Choose two.)

- A. Verify that HA is enabled.
- B. Verify that epsilon is not assigned.
- C. Verify that epsilon is assigned.
- D. Verify that HA is disabled.

**Answer:** C,D

3.Using QoS statistics for a group of volumes on one node, you notice that most of the latency comes from the data layer.

In this scenario, which statement is correct?

- A. There is too much indirect traffic from other nodes.
- B. QoS processing is increasing CPU usage.
- C. The CPU on the node is overused.
- D. High disk use is increasing CPU usage.

**Answer:** D

4.A manager wants a volume to have a guaranteed 300 MB/s of read performance. You explain that you cannot do this on FAS storage running ONTAP 9.3 backed by 10,000 RPM disks.

What is the reason for this response?

- A. Throughput floors apply to only iSCSI access.
- B. Throughput floors can only guarantee up to 125 MB/s.
- C. Throughput floors require a license.
- D. Throughput floors require AFF.

**Answer:** D

5.Click the Exhibit button.

| Workload        | ID   | Latency  | Network | Cluster | Data     | Disk | QoS      | NVRAM |
|-----------------|------|----------|---------|---------|----------|------|----------|-------|
| ms_sql_backup.. | 1234 | 4.59ms   | 62.00us | 0ms     | 4.53ms   | 0ms  | 0ms      | 0ms   |
| ms_sql_backup.. | 1234 | 120.22ms | 55.00us | 0ms     | 153.00us | 0ms  | 119.99ms | 0ms   |
| ms_sql_backup.. | 1234 | 99.45ms  | 88.00us | 0ms     | 186.00us | 0ms  | 99.23ms  | 0ms   |
| ms_sql_backup.. | 1234 | 106.78ms | 54.00us | 0ms     | 183.00us | 0ms  | 106.51ms | 0ms   |

A backup administrator notices throughput problems during backup jobs. While the job is running, you review the QoS output for the target volume.

Referring to the exhibit, which statement is correct?

- A. The volume is encountering the QoS limit.
- B. The network is slow.
- C. The data layer of the controller is slow.
- D. The traffic is going over an indirect path in the cluster.

**Answer: A**