

# EMC

## Exam E20-559

### Isilon Solutions Specialist Exam for Storage Administrators

Version: 6.0

[ Total Questions: 98 ]

**Topic break down**

| <b>Topic</b>   | <b>No. of Questions</b> |
|--|-------------------------|
| <b>Topic 1: Future Isilon Technologies</b>             | <b>6</b>                |
| <b>Topic 2: Isilon Cluster</b>                         | <b>9</b>                |
| <b>Topic 3: Data Protection, Layout, and Access</b>    | <b>34</b>               |
| <b>Topic 6: Storage Management</b>                     | <b>27</b>               |
| <b>Topic 8: Application Integration and Job Engine</b> | <b>14</b>               |
| <b>Topic 9: User Authentication and File Access</b>    | <b>8</b>                |

**Topic 1, Future Isilon Technologies****Question No : 1 - (Topic 1)**

Traditional NAS storage architectures deploy simple two-way failover between two controllers in storage systems, such as highly available configurations. How is the Isilon architecture different in terms of system resiliency and availability?

- A. OneFS enables each node to have a designated partner node for simple failover between the pair.
- B. Use of client-side drivers can enable failover to other nodes.
- C. Isilon clustered architecture deploys standby failover nodes to ensure the highest available solution.
- D. OneFS enables each node to be a peer to any other node in an Isilon cluster. Any node can take over for any other node.

**Answer: A**

**Question No : 2 - (Topic 1)**

In an Isilon environment, what is the total protection level offered by N+2:1?

- A. Two drives or one node can fail without any data loss in the cluster
- B. Two hot spare drives and one cold spare drive are available for disk failures
- C. Two hot nodes and one cold node are available for node failures
- D. Two drives on one node can fail without causing any data loss in the cluster

**Answer: B**

**Question No : 3 - (Topic 1)**

For which IT solution is an Isilon NL-Series node best suited?

- A. Internet Web 2.0 applications
- B. Nearline archiving
- C. Quantitative analysis
- D. Hadoop workflows

**Answer: C**

**Question No : 4 - (Topic 1)**

An administrator wants to configure antivirus scanning on an Isilon cluster. What is the best way to accomplish this task?

- A. Isilon web administration interface => Data Protection => Antivirus, and then click "Add an ICAP Server"
- B. Install the antivirus client on all nodes in the cluster
- C. Install the antivirus client on the logical node number in the cluster
- D. Isilon web administration interface => Data Protection, and then click "Install Antivirus Client"

**Answer: B**

**Question No : 5 - (Topic 1)**

An organization wants to monitor disk performance on their Isilon cluster. Which software module will provide this functionality?

- A. InsightIQ
- B. SmartQuotas
- C. SmartConnect
- D. SmartPools

**Answer: C**

**Question No : 6 - (Topic 1)**

Which command is used to renumber the nodes of an Isilon cluster?

- A. innset
- B. ipset
- C. deliprange / iprange
- D. interface

**Answer: D**

## Topic 2, Isilon Cluster

### Question No : 7 - (Topic 2)

An Isilon administrator was unsuccessful when adding a new node to an existing Isilon cluster using the Nodes LCD panel. What is a possible cause?

- A. Internal join mode has been set to 'secure'
- B. Internal join mode has been set to 'manual'
- C. Nodes can only be added through the console port
- D. Nodes can only be added through the web administration interface

**Answer: A**

### Question No : 8 - (Topic 2)

In an Isilon environment, which physical configuration will enable the internal failover network?

- A. Both int-a and int-b of each node in the cluster must be physically connected to separate switches
- B. Both int-a and int-b ports of each node in the cluster must be physically connected to one switch
- C. Only int-a ports of each node in the cluster must be physically connected to one switch
- D. Only int-b ports of each node in the cluster must be physically connected to one switch

**Answer: A**

### Question No : 9 - (Topic 2)

A storage administrator added three X410 nodes to an existing cluster with three X400 nodes. However, the administrator did not realize that a decision was made to update the InfiniBand back-end switches from DDR to QDR.

Which type of cables must be used to connect the X400 nodes to the new switches?

- A. Hybrid (QSFP-to-CX4)
- B. IB (Cx4-to-CX4)
- C. QSFP (QSFP-to-QSFP)
- D. Ethernet (DB45 CAT-6)

**Answer: A**

**Question No : 10 - (Topic 2)**

When using an X410 node containing HDDs and SSDs, which bay numbers are used to contain SSDs in the standard configurations?

- A. Bays 1 and 2 only
- B. Bays 1 through 6
- C. Bays 31 through 36
- D. Bays 35 and 36 only

**Answer: B**

**Question No : 11 - (Topic 2)**

An Isilon storage administrator is attempting to manage an Isilon cluster using the web administration interface. However, some configuration tabs are not displayed.

What is the most likely cause?

- A. RBAC has been implemented
- B. Some features have not been licensed
- C. Access zones have been created
- D. Administrator must log in as "compadmin"

**Answer: A**

**Question No : 12 - (Topic 2)**

An Isilon administrator needs to create a new Isilon cluster to support high performance and large capacity storage for a streaming media environment. Which node model is

recommended?

- A. HD-Series
- B. NL-Series
- C. S-Series
- D. X-Series

**Answer: D**

**Question No : 13 - (Topic 2)**

What are the benefits of Isilon Scale-Out NAS versus Scale-Up NAS technology?

- A. File-based storage, File system upper limit 20 PB+, quick scalability, and more granular file protection
- B. Block-based storage, file system upper limit 10 PB, nodes contain all components, and RAID protection
- C. Block-based storage, file system upper limit 20 PB+, nodes contain all components, and more granular file protection
- D. File-based storage, file system upper limit 16 TB, quick scalability, and volume level RAID protection

**Answer: A**

**Question No : 14 - (Topic 2)**

In an Isilon environment, which type of storage node is best suited for high throughput and high concurrency using SATA drives?

- A. A100-Series
- B. NL-Series
- C. S-Series
- D. X-Series

**Answer: D**

**Question No : 15 - (Topic 2)**