



# E20-555<sup>Q&As</sup>

Isilon Solutions and Design Specialist Exam for Technology Architects

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### QUESTION 1

Which cache type contains data blocks from previous read and write transactions?

- A. Metadata stored on SSDs
- B. L2 cache
- C. L1 cache
- D. L3 cache

Correct Answer: D

Reference: [https://repository.usc.edu/sites/repository.usc.edu/files/isilon\\_onefs\\_overview.pdf](https://repository.usc.edu/sites/repository.usc.edu/files/isilon_onefs_overview.pdf)

### QUESTION 2

DRAG DROP

What is the correct sequence of events in a SyncIQ failover procedure after a failure occurs in the source Isilon cluster?

Select and Place:

Read-only restriction is removed from the SyncIQ domain for that policy	Step 1
Storage administrator runs <code>isi sync recovery allow-write</code> command on a SyncIQ policy	Step 2
Data under that policy is restored to the last-known-good snapshot	Step 3
Storage administrator redirects users to the target	Step 4
Failover job prevents further synchronizations to the target for that policy	Step 5

Correct Answer:



	Read-only restriction is removed from the SyncIQ domain for that policy
	Storage administrator redirects users to the target
	Storage administrator runs <code>isi sync recovery allow-write</code> command on a SyncIQ policy
	Failover job prevents further synchronizations to the target for that policy
	Data under that policy is restored to the last-known-good snapshot

### QUESTION 3

In an Isilon environment, which event will avoid Dynamic IP Address reallocation?

- A. Client is added to the cluster
- B. Failure of the back-end network
- C. Node reboot
- D. Cluster split

Correct Answer: D

### QUESTION 4

When working with Isilon file pool policies, which file attribute can be applied as a filter?

- A. Performance
- B. File create date
- C. File type
- D. Permissions

Correct Answer: C



Reference: <http://www.emc.com/collateral/hardware/white-papers/h8321-wp-smartpools-storage-tiering.pdf> (page 20, first para)

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### QUESTION 5

Your customer is moving from a Restaurant/Bar business model to a Restaurant/Casino business model. You are helping architect the upgrade of a current 4-node X200 48 TB Isilon cluster, with 65% utilized for their video surveillance operations.

They wish to achieve the following:

Upgrade from 1280 x 720 resolution, with a 15 days retention policy, to 2048 x 1536 resolution with a 30 days retention policy.

What is the minimum number of nodes of the same type will you need to add in order to meet the required changes and not exceed 70% raw capacity?

- A. 6 nodes
- B. 10 nodes
- C. 14 nodes
- D. 18 nodes

Correct Answer: A

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### QUESTION 6

You are working with a healthcare company that is interested in replacing all the backend storage for their PACS system. In general, how should the solution be presented to the customer?

- A. VNX for image cache; Isilon NL-Series nodes for image archive
- B. Isilon A-Series nodes for image cache; Isilon NL-Series nodes for image archive
- C. Isilon NL-Series nodes for image cache and image archive
- D. VNX for image cache and image archive

Correct Answer: A

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### QUESTION 7

How is the journal protected in Gen 6 hardware?

- A. Identical copy is maintained on all nodes of the cluster
- B. Identical copy is maintained on both nodes of each node pair
- C. Each node has a mirrored M.2 vault



D. Each node has a mirrored write cache

Correct Answer: D

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### QUESTION 8

An Isilon customer has two 5-node clusters; one for production and one for disaster recovery (DR). The customer's workflows are replicated to the DR cluster through SyncIQ on individual schedules. They shut down their production cluster for a scheduled DR test, failed over to the DR cluster, and continue their DR testing.

Assume both clusters have identical shares, exports, and user authentication. Additionally, assume the client applications have been stopped and the DNS re-pointed. Which SyncIQ Policy method should be used to continue production operations?

- A. Revert
- B. Initiate Manual Failback
- C. Initiate Automated Failback
- D. No change is needed

Correct Answer: A

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### QUESTION 9

What key considerations should be kept in mind when designing a 300TB solution?

- A. Workflow management Defining class of service Time of day services RPO and RTO Data retention and backup
- B. Defining class of service Time of day services ROI and TCO Data retention and backup
- C. SmartPools Smartconnect Snapshots Space for snapshots
- D. Always include 2% SSD SmartPools Smartconnect Snapshots InsightIQ

Correct Answer: A

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### QUESTION 10

A potential customer has about 540TB of NetApp running in ONTAP 7-Mode. They are willing to let you gather some workload data. They have LDAP and Active Directory authentication and primarily Windows Clients. They are very interested in Automated Tiering and Large Scale Archives. They are not certain about the workflows from the Marketing Department. The Content Team will only say they need to acquire 300 TB within 90 days. They do not know the average file size or the number of aggregates they are managing.

Which tools would you use to gather information to do your Isilon sizing?

- A. MiTrend WPA, Autosupport, and PerfCollect
- B. isi status, isi\_netlogger, and PerfMon



- C. Wireshark, isi statistics, and iostat
- D. Isilon Insight IQ, OnCommand Insight, and nfsstat

Correct Answer: A

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#### QUESTION 11

A customer is trying to get Isilon SyncIQ to run on the two clusters they just purchased. However, they are experiencing some problems. They have asked you to explain how the SyncIQ licensing works.

What information can be provided to the customer?

- A. SyncIQ license is required on both the source and target clusters
- B. SyncIQ license is required on the source but not on the target cluster
- C. SyncIQ license is required on target but not on the source cluster
- D. SyncIQ license is included in the OneFS license; no additional license is needed

Correct Answer: A

The SyncIQ license is required on "both" the source and target clusters.

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#### QUESTION 12

Where does Endurant Cache stage its write cache?

- A. SSD
- B. DISK
- C. NVRAM
- D. DRAM

Correct Answer: B

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#### QUESTION 13

Which types of reports are available from InsightIQ?

- A. Auditing and file system
- B. Auditing and security
- C. Performance and file system
- D. Performance and security



Correct Answer: C

Reference: <https://www.storagenetworks.com/documents/emc/emc-isilon-insightiq-ug.pdf>

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#### QUESTION 14

How are files smaller than 128 KB protected?

- A. 3x mirrored
- B. N+3d:1n
- C. N+2d:1n
- D. 2x mirrored

Correct Answer: A

Reference: <http://webcache.googleusercontent.com/search?q=cache:2rNjWq1ozJJ:doc.isilon.com/onefs/5.5.x/webhelp/en-us/Content/rdu1254425851461.html&client=firefox-b-e&hl=en&gl=pk&strip=1&dvwsrc=0>

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#### QUESTION 15

An Isilon has two ports configured per node. Each port is on a different VLAN. Although incoming traffic is evenly distributed, transmitted data from the Isilon uses one port more than the other port. What could be the cause of this imbalance?

- A. Static routes are configured on the less-used port
- B. A default gateway was not configured on both ports
- C. Source Based Routing is not enabled on the cluster
- D. Priority of the gateway in the less-used port set too low

Correct Answer: B

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