



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

Isilon Solutions and Design Specialist Exam for Technology Architects

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**QUESTION 1**

A customer configures a file pool policy to write data to tier 2 on the Isilon cluster. This is in addition to the 30 policies already created. Later in the week they check the file placement and see that it has not been written to the correct tier. What could be the problem?

- A. Number of allowable policies has been exceeded so the new policy will not run.
- B. File matches a policy for a different tier that is listed higher in the file pool policy list.
- C. SmartPools policy job has not yet run so the file was written using the default policy.
- D. File matches a policy for a different tier that is listed lower in the file pool policy list

Correct Answer: B

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**QUESTION 2**

When creating a FilePool policy via the OneFS WebUI, what is the maximum allowed number of condition blocks?

- A. 1
- B. 3
- C. 8
- D. No limit

Correct Answer: A

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**QUESTION 3**

In your second meeting with the customer you ask the following questions about their current unified SAN and NAS platform.

"Are you using an application to map users from NFS Exports to SMB shares? Is each site a separate LDAP or AD Domain?"

What functionality are you trying to understand in their environment and what is the comparable feature in Isilon OneFS?

- A. Identity Mapping and Authentication Sources
- B. User Management and AD Authentication
- C. Kerberos Infrastructure and Identity Management
- D. NFS Export Management and OneFS Cluster Management

Correct Answer: A

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**QUESTION 4**

Refer to the exhibit.



Your customer has three different clusters. File systems on two of the clusters are at 90% full, and the largest cluster is 10% full. Active data resides on the largest cluster. The customer has five different node types totaling 2PB and 54 nodes. Nodes from left to right are as shown: 1.X200 2.12000X 3.36000X 4.NL108 5.108NL

They have a Smartpool license and believe that tiering data would help free up needed space.

After talking with the customer and explaining the use of SmartPools, how would you recommend optimizing utilization across all of the nodes that the customer owns?

- A. Attach all nodes to a common Infiniband switch.
- B. Go to GUI and put alike nodes in the same pools. Then name them.
- C. Borrow nodes to reconfigure the cluster and migrate the data to new cluster.
- D. Explain to the customer that this will result in data loss.

Correct Answer: A

**QUESTION 5**

You set up a meeting to gather information on a new project with the IT manager and plan to use a workflow profile



assessment (WPA) to document the requirements.

Why is it recommended to talk to as many stakeholders as possible?

A. Helps downstream personnel, such as implementation and delivery, to have a clearer understanding of the requirements.

B. Completing this document gives sales a list of who the stakeholders are at customer site.

C. Using workflow profile enables sales to take this information to EMC consulting for review to validate the configuration.

D. Using the WPA tool will give you the best "big picture" to see things such as block size, de-dupe, file size and volumes.

Correct Answer: A

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#### QUESTION 6

A company needs the ability to separate administrative rights from data access rights. Which Isilon feature enables this functionality?

A. RBAC

B. SmartConnect

C. SmartLock

D. SmartQuota

Correct Answer: A

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#### QUESTION 7

What is the maximum volume or aggregate size that can be created with an Isilon Scale-Out NAS system?

A. 16 TB

B. 100 TB

C. 2.3 PB

D. 20 PB

Correct Answer: D

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#### QUESTION 8

Your customer has an Isilon cluster with five X400 nodes and four 72NL nodes. A SmartPools policy moves data to the NL nodes after 60 days of inactivity. The customer wants to expand the archive tier by at least 150 TB and would like to manage a single archive pool.



Which nodes should be added to the cluster?

- A. Three NL400 nodes with 2TB drives
- B. Three X400 nodes with 1TB drives
- C. Two NL400 nodes with 4TB drives
- D. Two X400 nodes with 3TB drives

Correct Answer: A

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#### QUESTION 9

What is the best case performance for Backup Accelerator when backing up to LTO-4 or LTO-5 drives?

- A. 864 GB/hr
- B. 1.7 TB/hr
- C. 2.6 TB/hr
- D. 3.4 TB/hr

Correct Answer: C

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#### QUESTION 10

A customer is looking for a NAS solution to support their read-intensive application.

This solution must meet the following requirements: 1000 users Aggregate bandwidth of 5 GB/s 500 TB of user data Typical latency of 5 ms.

The files are distributed evenly across 10 directories.

Which cluster configuration would best meet these requirements?

- A. Seven X400 (108 TB) nodes with no SSD
- B. Eight NL400 (96 TB) nodes with 1.6 TB SSD
- C. Eight X400 (96 TB) nodes with 1.6 TB SSD
- D. Twenty-five X200 (30 TB) nodes with 800 GB SSD

Correct Answer: B

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#### QUESTION 11



Your customer uses an existing Isilon cluster consisting of five NL-Series nodes to source broadcast media files for playback and streaming. The customer reports that the playback pauses and stutters regularly. It has been confirmed that there are no network or playback system issues.

Which of the choices listed is the appropriate choice to address the playback issues?

- A. Add three or more S-Series Nodes
- B. Upgrade OneFS to the latest version
- C. Enable SmartConnect Advanced
- D. Enable Level 2 Caching

Correct Answer: A

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### QUESTION 12

An Isilon customer wants to more effectively manage their storage and thereby achieve performance improvements. Which tool will help improve workflow performance on their cluster?

- A. InsightIQ
- B. Isilon SNMP MIB
- C. SynclQ
- D. SmartPools

Correct Answer: A

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### QUESTION 13

-- Exhibit -A large manufacturing company is an existing Isilon customer with a cluster consisting of four NL400 nodes with 4TB drives. The cluster is using N+2:1 protection level and the file system shows that it is 60% utilized. Home directories and file shares comprise 75% of the existing content and the remainder is inactive deep archive. The company has 1,000 employees using Windows and Mac clients participating in a single Active Directory (AD) forest.

During a meeting with the CIO and Director of IT you discuss the company's recent acquisition of an engineering firm that specializes in Computer Aided Design (CAD). The engineering firm has 400 UNIX workstations that produce technical drawings which are currently stored on another vendor's SAN solution. The all UNIX environment uses NIS for authentication and name resolution. They do not currently use DNS or LDAP. The engineering company has an old storage system that has been experiencing problems and the CIO would like you to migrate the data onto the Isilon cluster. The CIO would like to eliminate all tape and recover the data onto disk.

The CIO is concerned about security of the company's intellectual property, especially with the rapid adoption of mobile devices and external cloud content sharing services such as DropBox, Egnyte, and SugarSync. They would like to implement an alternative that provides external file sharing and mobile device synchronization while maintaining security control over the company's data.

The Director of IT reports that users are storing non-work related content on the Isilon cluster. They would like to limit the amount of capacity that each user can consume in their home directory and want to ensure you provide the capability to easily visualize which users are over their allotment. The company's Windows users currently leverage



Windows Shadow Copy to recover files that have been accidentally deleted. The IT department wants to ensure that Mac and incoming UNIX clients have the same functionality.

The Director of IT also mentions that users are reporting slow response times when browsing their home directories and shared folders. They are concerned that Isilon cannot scale to support their combined requirements.

-- Exhibit -

What steps would you recommend to the IT Director to allow for collaboration between the engineering company and the manufacturing company?

A. Set up Access Zones on the Isilon cluster using Active Directory (AD) and NIS authentication. Create directories and apply user group permissions from AD and NIS for each collaboration team.

B. Repoint the engineering users to the Active Directory controller Add the users to the appropriate Active Directory security group.

C. Upload a collaboration user csv file into the cluster with usernames and passwords for the collaboration directory.

D. Create a new pool for use by the collaboration users. Set up Access Zones on the Isilon cluster using AD and NIS authentication.

Correct Answer: A

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#### QUESTION 14

Which block size does Isilon SyncIQ use to transfer data?

A. 2 KB

B. 4 KB

C. 6 KB

D. 8 KB

Correct Answer: D

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#### QUESTION 15

Which Isilon OneFS protection level allows you to withstand two drive failures but no more than one complete node failure?

A. N+1

B. N+2

C. N+2:1

D. N+3:1

Correct Answer: C

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