

E20-555^{Q&As}

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QUESTION 1

You have had several meetings with an existing EMC VMAX customer. They have agreed that they would like to review an initial Isilon Solution for unstructured data used by the Product Development Team. All production is managed through a Global Enterprise Resource Planning system based in Germany. They require 600TiB of usable capacity. The File System must be accessible from Windows and Linux High-End Workstations. The files are generally not accessed after 120 days, and they would like automated tiering.

Which questions about architectural integration will impact the solution design?

A. • What Enterprise Resource Planning platform are they using in manufacturing?

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What is their Recovery Point Objective?

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What is their Archival Strategy?

B. • How many data centers do they have?

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Will their Network Infrastructure support implementing Isilon?

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What Enterprise Resource Planning platform are they using in manufacturing?

C. • How many clients will access the File System?

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Will their VDI clients access the Isilon Cluster?

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What is the DR plan for the ERP System?

D. • What non-sizing-specific factors in the customer's environment could impede integration of the Isilon solution?

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What applications are they using?

•

What are your priorities among performance, scalability, or availability?

Correct Answer: C

QUESTION 2

In Isilon OneFS, what is the snapshot limit of a directory?

- A. 512
- B. 1024
- C. 2048
- D. No limit

Correct Answer: B

Reference: <http://www.emc.com/collateral/hardware/white-papers/h10588-isilon-data-availability-protection-wp.pdf> (page 22, 6th bullet)

QUESTION 3

What is a consideration when designing access zones?

- A. Authentication providers are restricted to one specific zone
- B. UID/GID ranges should not overlap for providers in the same zone
- C. Access zones cannot overlap the same directories
- D. Share names must be unique between different access zones

Correct Answer: B

Reference: <https://www.dellemc.com/resources/en-us/asset/white-papers/products/storage/h17463-wp-dell-emc-isilon-design-and-considerations-for-smb.pdf> (11)

QUESTION 4

You are called into an opportunity, you would like to get more information on the data skew of the filer. The customer has a supported filer. What assessment tool would you use to generate this information?

- A. Workload Profile
- B. Workflow Profile
- C. InsightIQ
- D. SupportIQ

Correct Answer: A

QUESTION 5

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

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

QUESTION 7

What determines how a user is directed to the correct secure multi-tenancy access zones?

- A. External protocols
- B. Isassd daemon
- C. External providers
- D. Incoming IP

Correct Answer: C

QUESTION 8

There is a need to carry out a tech refresh of an Isilon cluster. Old nodes must be removed because of space constraints in the data center. What methodology is least disruptive and will retain the file system structure, configuration, data, and DNS information?

- A. Install the new nodes as a new cluster and use SyncIQ to replicate the data to the new nodes
- B. Add the new nodes to the cluster and use SmartFail to move the data to the new nodes

- C. Install new nodes into the cluster and use SyncIQ to replicate the data from the old to the new nodes
- D. Install the new nodes into the cluster and migrate using a host-based utility

Correct Answer: C

QUESTION 9

In an NFSv3 only environment, what is the recommended limit for active NFSv3 connections, per Isilon node?

- A. 500
- B. 1,000
- C. 1,500
- D. 2,500

Correct Answer: B

Reference: https://www.dell EMC.com/resources/en-us/asset/white-papers/products/storage/h17240_wp_isilon_onefs_nfs_design_considerations_bp.pdf (11)

QUESTION 10

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 50% utilized for their video surveillance operations.

They want to upgrade from 15 FPS (NTSC) in H.264 codec, with a 15 days retention policy to 30 FPS (NTSC) in H.264 codec with a 30 days retention policy.

Which storage capacity would be the best suited to meet the required changes and utilize 65-75% capacity?

- A. 110 TB
- B. 80TB
- C. 140TB
- D. 50TB

Correct Answer: A

QUESTION 11

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. SyncIQ

D. SmartPools

Correct Answer: A

QUESTION 12

A customer has a cluster of 16 A200 nodes. Due to recent and forecasted growth, they have decided to expand the cluster by an additional 24 A200 nodes. How many neighborhoods will exist on the cluster when all nodes have joined the cluster?

A. 1

B. 2

C. 4

D. 6

Correct Answer: A

Neighborhoods split at 20 nodes. So it already had 2 neighborhoods. With the addition of 24 nodes, it will have 3 neighborhoods in total.

QUESTION 13

A customer has an Isilon cluster that they want to simplify a Hadoop workflow. The workflow analyzes large amounts of log data written to storage using FTP and results are viewed by Microsoft Windows clients?

How can this be achieved?

A. FTP, SMB, and HDFS NameNode and DataNode protocol support on the same file system to enable each workflow step to access data from the same location avoiding data migration.

B. SyncIQ to migrate the log data between an Isilon cluster and another Hadoop cluster, to retrieve results from the Hadoop cluster, and to store them in an SMB share.

C. SmartConnect to direct clients to an external Hadoop NameNode and to SMB shares so data ingest, analytics, and results phases are transparently directed.

D. FTP and SMB protocol support to provide log ingest and Windows clients; SmartPools will stub to HDFS helping to reduce the frequency of external data migration.

Correct Answer: A

QUESTION 14

Which protocol is integrated with Isilon OneFS to provide on-access file functionality?

- A. ICAP
- B. IANA
- C. HTTPS
- D. REST

Correct Answer: A

QUESTION 15

A cost-conscious customer is exploring Isilon for their PACS archive. The workflow consists of one hundred cases a day, each including fifty 60MB image files. However, each image will have five-hundred 64kB metadata files associated with it. They currently have six years worth of archived data. They will need to migrate to the new solution and they need to plan for an additional three years of archive capacity.

Which solution would you recommend to fit their capacity needs?

- A. 24 NL-Series nodes with N+3 protection policy providing 2597 TiB of useable capacity
- B. 18 NL-Series nodes with N+2:1 protection policy providing 2078 TiB of useable capacity
- C. 24 X-Series nodes with N+3 protection policy providing 2597 TiB of useable capacity
- D. 12 NL-Series nodes with N+2 protection policy providing 1300 TiB of useable capacity

Correct Answer: A

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