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QUESTION 1

Which Isilon OneFS administration methods are enforced by RBAC?

- A. Platform API, command line, and web administration interface
- B. Command line, InsightIQ, and web administration interface
- C. SNMP and web administration interface
- D. Command line, web administration interface, and SNMP

Correct Answer: A

QUESTION 2

Your customer has an Isilon 4-node X400 cluster used for home directory use, and has since updated to OneFS 7.0. The HR and Legal departments have been very strict about using only dedicated file servers that are part of a single, isolated, untrusted Active Directory domain. Their filer has been out of maintenance, and fears are being raised that, due to the age, it may fail at some point.

What could the IT department do, to allow the HR and Legal groups to provide file share services, with minimal impact to their other application permissions?

- A. Recommend a 2nd cluster for the HR/Legal department
- B. Utilize SmartPools to create two pools to separate the domains
- C. Consolidate onto a single cluster and merge the domains
- D. Use Access Zones for each domain

Correct Answer: B

QUESTION 3

How many layers are in the Isilon clustering architecture?

- A. 2
- B. 4
- C. 6
- D. 8

Correct Answer: B

QUESTION 4

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

QUESTION 5

You meet with the IT Director of a large single site campus. The IT department has recently taken over Physical Security from the facilities department and plans a complete overhaul of the surveillance solution. They are looking to you as a storage architecture expert to provide the correct amount of storage needed. The IT Director asks you what items they need to provide in order to size this solution.

What data do you require from the customer?

- A. Resolution CODEC Frames Per Second (fps) Number of Devices Retention Time
- B. Pixel Count CODEC Color Sampling Frames Per Second (fps) Number of Devices Retention Time
- C. Pixel Count CODEC Color Sampling Frames Per Second (fps) Number of Devices Video Management System Evidence Collection Period
- D. Bit rate per camera Camera Manufacturer Video Management System Retention Time

Correct Answer: A

QUESTION 6

Which Isilon feature provides the ability to build a cluster using different node types and tiers to meet a customer's business objectives?

- A. SmartPools
- B. SmartQuota
- C. SmartConnect
- D. SnapshotIQ

Correct Answer: A

Smartpools is the licensed feature that enables using different node types.

QUESTION 7

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>

QUESTION 8

An Isilon customer is experiencing less than expected performance and poor space utilization with their cluster. They are using the X400 nodes with an N+2d:1n protection policy to host web server log data. Upon further analysis, the customer discovers that the web servers write log files 64KiB in size. The log files are then accessed by an analytics application for reporting purposes. What should be done to increase the write performance of the cluster?

- A. Change the protection scheme to a mirroring policy
- B. Add S-Series storage nodes to the cluster
- C. Add A-Series Performance Accelerator nodes to the cluster
- D. Change the SSD strategy on the cluster

Correct Answer: C

QUESTION 9

Which Isilon OneFS job is responsible for examining the entire file system for inconsistencies and runs manually?

- A. IntegrityScan
- B. MediaScan
- C. AutoBalance
- D. FlexProtect

Correct Answer: A

QUESTION 10

A potential customer requires 4 PB of usable capacity to store media files. The workloads are a combination of streaming video delivery and long term archive of video assets.

There is very little space available in the customer's datacenter, so physical density is very important. The customer is concerned about performance impact and potential data loss when using 3 TB or larger drives.

What Isilon capabilities can address the customer's concerns?

A. Isilon does not perform rebuilds - data re-protection is typically 2x-3x faster than traditional RAID rebuilds. N+3 and N+4 Protection Levels exceed traditional RAID6 availability. Data redistribution runs faster with more nodes in the cluster.

B. N+3 and N+4 Protection Levels exceed traditional RAID6 availability. Proactive hot sparing eliminates most drive rebuilds. Endurant Cache reduces the overhead for write operations.

C. Isilon does not perform rebuilds - data re-protection is typically 2x-3x faster than traditional RAID rebuilds. Data recovery is consistent, taking the same amount of time regardless of cluster size. Isilon's "short strokes" 4TB drives to reduce rebuild time.

D. Isilon nodes have more drives per rack unit so fewer shelves are required. Proactive hot sparing eliminates most drive rebuilds. N+3 and N+4 Protection Levels exceed traditional RAID6 availability.

Correct Answer: A

QUESTION 11

What happens to worker threads running on the same node when there is an excessive number of workers running at the same time?

A. Workers are paused

B. Workers are queued

C. Impact level of workers is decreased

D. Priority level of workers is decreased

Correct Answer: B

QUESTION 12

How many files can reference a single block within a shadow store?

A. 8

B. 128

C. 512

D. 32,000

Correct Answer: D

QUESTION 13

A customer is running OneFS 8.0 on an Isilon cluster consisting exclusively of NL400 nodes. The storage administrator recently heard that OneFS 8.1 provides journal vaulting. What should you advise the storage administrator?

- A. Replace the batteries of the battery backed volatile storage with NiMH batteries.
- B. Add SSDs to all nodes of the existing cluster and upgrade to OneFS 8.1.
- C. Migrate all data from the current Isilon cluster to a Gen 6 cluster.
- D. Add a Gen 6 node to the existing Isilon cluster and upgrade to OneFS 8.1.

Correct Answer: D

QUESTION 14

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

QUESTION 15

A customer needs to be able to periodically monitor their node live performance for ongoing operational tasks as well as during problem analysis. You have recommended they use the isi statistics command to fulfill this need. What types of statistics and statuses could be displayed with this command?

- A. Protocol status, drive statistics, hardware statistics, node statistics
- B. Node alerts, Job Engine statistics, hardware status, protocol statistics
- C. Node statistics, general status, drive status, hardware statistics
- D. Drive statistics, node status, protocol alerts, general performance

Correct Answer: A

Reference: <http://isilon-lab.blogspot.com/2017/08/isilon-performance-metrics-hints.html>

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