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Shared by Olson on 07-06-2022

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Question 1

Your customer manages a print media environment, consisting of three Isilon clusters, which are out of support. The customer would like to have access to new software releases and feature sets. You have been asked to perform a full discovery of the customer's environment.

The customer's current Isilon clusters are as follows:

"Cust" (12 x 12000X) serves as upload media storage for different tenants.

"Working" (8 x 12000X + 6 x X200) serves as a working zone for extraction to RAW and printing media from it.

"Archive" (16 x 72NL + Accelerator nodes) is used to store printed content for six months.

The customer operates in a Windows environment using SMB 2.0, two DNS servers per AD forest, three forest domains which are servicing three different environments. All servers are operating on a 1Gb network, three VLANs segregating the DEV/QA/PROD environments. Currently, there is no monitoring in place for performance measurement or optimization.

The requirements for this solution include:

Better ROI and TCO

Maintain same performance with possible improvements

Renew HW/SW and get inclusive support

Limit migrations

Reduce space, power, cooling consumption

Get new feature sets

If migration required, use Parallel copy (multiple nodes, multiple threads, multiple connections)

Segregate tenant shares from other tenants

Expand up to 1PB of total storage

Which licenses need to be defined for the solution to perform optimally?

Options:

A) HDFS, SmartQuotas, SnapshotIQ, InsightIQ

B) SmartPools, SnapshotIQ, SyncIQ, SmartLock

C) InsightIQ, SmartPools, SyncIQ, SmartConnect Advanced

D) SyncIQ, InsightIQ, SmartPools, Platform API

Answer:

B

Question 2

Your customer manages a print media environment, consisting of three Isilon clusters, which are out of support. The customer would like to have access to new software releases and feature sets. You have been asked to perform a full discovery of the customer's environment.

The customer's current Isilon clusters are as follows:

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The requirements for this solution include:

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Maintain same performance with possible improvements

Renew HW/SW and get inclusive support

Limit migrations

Reduce space, power, cooling consumption

Get new feature sets

If migration required, use Parallel copy (multiple nodes, multiple threads, multiple connections)

Segregate tenant shares from other tenants

Expand up to 1PB of total storage

What would you recommend be done to consolidate the three clusters into one?

Options:

A) * Expand the largest and most I/O intensive cluster using SmartFail* Consolidate the remaining two clusters using Multithreaded version of RoboCopy* Modify A-Record and propagate to all DNS servers to point to the new cluster

B) * Leave the clusters as is* Upgrade drive sizes to meet the customer requirements

C) * Expand the largest and most I/O intensive cluster using SmartFail* Consolidate the remaining two clusters using SyncIQ

D) * Build a new cluster for consolidation* Use SnapshotIQ to migrate the existing data onto the new consolidated cluster* Spoof DNS to point to the new cluster

Answer:

C

Question 3

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?

Options:

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

Answer:

B

Question 4

Question Type: MultipleChoice

A customer has grown 2 PB in the last year. The cluster performs well most times of the day, but occasionally during the day, the customer notices a decrease in performance. You have been told that 'tree-deletes' are taking too long and can only be run on weekends.

What would you recommend to speed up the 'tree-deletes'?

Options:

A) Add an SSD node tier for metadata to account for at least 2% of RAW capacity

B) Use an A100 node for added CPU performance to help with 'tree-deletes.'

C) Add 20% more nodes to the cluster to help with degraded performance.

D) Add an SSD tier for metadata, ensuring all nodes have SSDs.

Answer:

A

Question 5

Question Type: **MultipleChoice**

An Isilon cluster component has the following characteristics:

Spans 3 - 40 nodes

Logical grouping of drives

Automatically assigned

Intelligently distributes disks to manage performance

Which cluster component is described?

A) Disk pool

B) Node pool

C) Smart pool

D) SSD pool

Answer:

A

Question 6

Question Type: MultipleChoice

An Isilon storage administrator is concerned about capacity after ingesting 200 TB of file data. They recently added more nodes to the cluster and now want to auto-balance it as soon as possible.

The cluster utilization percentages for an average 24-hour period are:

45% during 00:00 - 08:59

60% during 09:00 - 17:00

85% during 17:01 - 23:59

The administrator wants to keep cluster utilization at a minimum. Which Impact Policy settings should be used to quickly complete the job without impacting the production workload?

Options:

A) Medium, Low, Low

B) Medium, Medium, Low

C) High, Medium, Paused

D) High, High, Low

Answer:

B

Question 7

Question Type: **MultipleChoice**

Your customer manages a print media environment, consisting of three Isilon clusters, which are out of support. The customer would like to have access to new software releases and feature sets. You have been asked to perform a full discovery of the customer's environment.

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D) SyncIQ, InsightIQ, SmartPools, Platform API

Answer:

B

Question 8

Question Type: MultipleChoice

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

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Answer:

B

Question 9

An Isilon cluster component has the following characteristics:

Spans 3 - 40 nodes

Logical grouping of drives

Automatically assigned

Intelligently distributes disks to manage performance

Which cluster component is described?

Options:

A) Disk pool

B) Node pool

C) Smart pool

D) SSD pool