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Question: 86

A customer is inquiring about expanding their primary cluster consisting of six S-Series nodes in order to improve performance. They have a second cluster with 11 X-Series nodes. Both clusters leverage 1GbE, but the customer recently installed a 10GbE network that can be utilized.

They also have multiple Fibre Channel SAN arrays in their environment. They have a variety of workloads on each cluster and are in the process of determining which workloads belong on which cluster.

They have discovered that one of the workloads- a SQL database that resides on the X-Series node cluster - is experiencing timeouts due to latency. The database vendor has suggested limiting latency to 5ms or less to eliminate these timeouts.

How do you advise the customer?

A. Consider migrating data from Isilon to one of their SAN platforms or proposing a new solution to handle the performance requirements of SQ
B. Merge the S-Series nodes and X-Series nodes into one cluster, upgrade the 1GbE to 10GbE, and leverage SmartPools to allow for the cluster to determine where data should reside.
C. Suggest the customer consider leveraging SSDs in the new nodes they purchase and GNA to boost the performance of each cluster.
D. Recommend they increase the amount of DRAM in the cluster or consider an Accelerator node in order to increase the amount of cache in their cluster.

Answer: A

Question: 87

During a write process in OneFS 8.0, from which cache are blocks copied to disk?

A. L3
B. L2
C. Endurant
D. L1

Answer: C

Question: 88

A customer is implementing a new backup strategy for their two PowerScale clusters. The clusters are in a DR configuration. The customer uses SyncIQ to replicate data from the primary cluster to the DR cluster.

They use CloudPools to tier archival data to a public cloud provider from both clusters. The public cloud provider guarantees a backup of all data that is stored in their cloud.
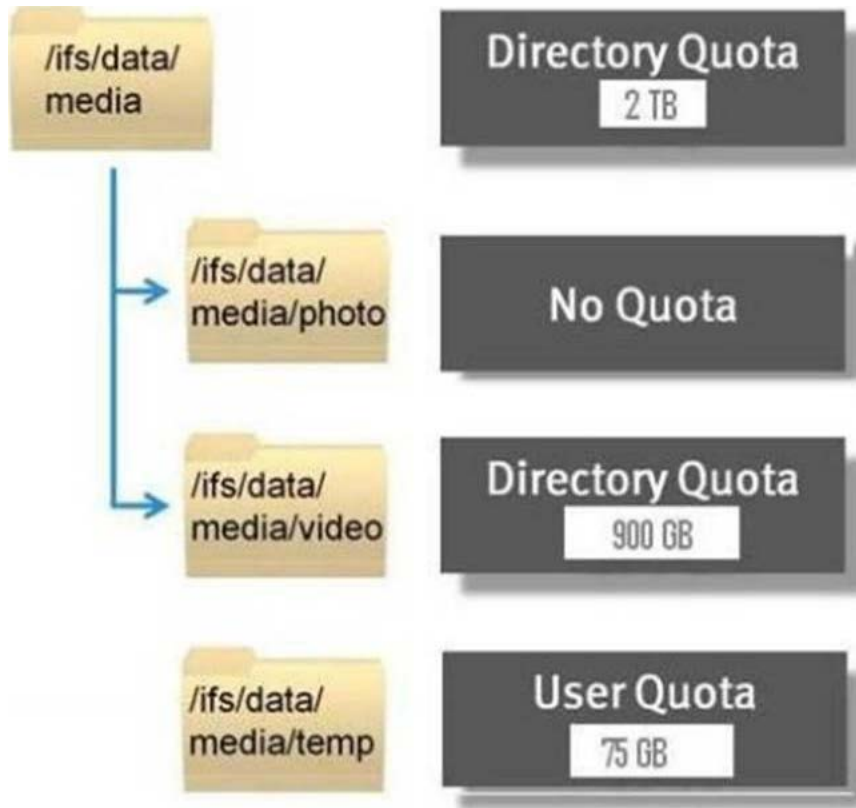
Which NDMP backup option should be applied to their primary cluster to avoid backing up data that is tiered to their cloud provider?

A. NDMP Redirector
B. DeepCopy
C. ComboCopy
D. ShallowCopy

Answer: D

Question: 89

Refer to Exhibit below.

What is represented by the information shown in the exhibit?

A. Directory quota cannot exceed 2 TB for both /ifs/data/media and /ifs/data/media/photo.
Directory quota cannot exceed 900 GB for /ifs/data/media/video.
Directory quota can be any size up to 2 TB and each user can only store 75 GB for /ifs/data/media/temp.
B. Directory quota cannot exceed 2 TB for /ifs/data/media and no quota limit on /ifs/data/media/photo.
Directory quota cannot exceed 900 GB for /ifs/data/media/video.
Directory quota can be any size up to 2 TB and each user can only store 75 GB for /ifs/data/media/temp.
C. Directory quota cannot exceed 2 TB for both /ifs/data/media and /ifs/data/media/photo.
Directory quota cannot exceed 900 GB for /ifs/data/media/video.
Directory quota can be any size up to 2 TB for /ifs/data/media/temp.
D. Directory quota cannot exceed 2 TB for both /ifs/data/media and /ifs/data/media/photo.
Directory quota cannot exceed 900 GB for /ifs/data/media/video.
Directory quota can be any size up to 900 GB and each user can only store 75 GB for /ifs/data/media/temp.

Answer: A

Question: 90

A cluster has user quotas configured for userâs home directories with hard limits and advisory limits set.

What would the default setting be for calculating user quotas on the cluster?

A. User data and data protection overhead only
B. User data only
C. User data, snapshot data, and data protection overhead
D. User data and snapshot data only

Answer: C

Question: 91

Refer to the exhibit.

Typical Uncompressed Storage Requirements per Imaging Study (Sample)

** Please see Healthcare Terminology document for descriptions on these Modalities

Modality	Images			Storage/MB		
	Average	Low Range	High Range	Average	Low Range	High Range
CT	60	40	300	32	21	157
CT (thin-slice)	500	200	1000	262	105	524
Magnetic Resonance	200	80	1000	26	11	131
Mammography	6	4	8	108	72	144
Ultrasound	30	20	60	18	12	37
Echocardiography	1125	750	1500	346	230	461

A large hospital chain has approached you to redesign their storage infrastructure. The head of IT believes their requirement is for 60 TB of RAW capacity. The following are the notes from meetings with the department heads.

Which is the minimum cluster configuration that meets the customer's requirements?

A. 3 NL-Series Nodes using SynqIQ to 3 NL-Series Nodes
B. 3 S-Series Nodes using SmartPools and 3 NL-Series Nodes for Archive
C. 5 S-Series Nodes
D. 4 X-Series Nodes using SynqIQ to 4 NL-Series Nodes

Answer: A

Question: 92

A potential customer requires 800TB of usable capacity to store medical images for their network of health clinics.

The IT department has limited staff and currently manages four storage arrays from other vendors. During a meeting with the Director of IT, you learn that the company is planning to deploy a scale-out NAS solution from a competitor of EMC.

Which factors can demonstrate a lower TCO using Isilon?

A. An IDC study found that Isilon requires 30% less downtime per year compared to other solutions
B. Isilon linear scalability eliminates over buying and over provisioning
C. An IDC study found that Isilon requires 95% less downtime per year compared to other solutions
D. Isilon uses lower speed NL-SAS drives which reduces overall power and cooling requirements
E. An IDC study found that Isilon requires 95% less downtime hours per year compared to other competitors

F. Isilon linear scalability eliminates over buying and over provisioning
G. An IDC study found that Isilon requires 95% less downtime hours per year compared to other competitors
H. Isilon linear scalability closely aligns with additional staff requirements as capacity grows

Answer: A,C,F

Question: 93

The security team at a customer site has created a new requirement that in-flight replication traffic must be encrypted end-to-end. The customer is running OneFS 8.2.1 on their cluster.

What encryption protocol versions does SyncIQ support?

A. TLS 1.3 and OpenSSL 1.1.1
B. IPSec 2.1 and OpenSSL 1.0.2
C. TLS 1.2 and OpenSSL 1.0.2
D. x.509 13.37 and OpenSSL 0.9.8

Answer: C

Question: 94

At which level can retention periods be applied with Isilon SmartLock?

A. Directory
B. Node
C. File system
D. Cluster

Answer: D

Question: 95

You get a call from a customer that has just added 200 user connections to the cluster. They want to know how fast they are writing data with these new users.

What tool would you use to gather this information?

A. InsightIQ
B. Network Monitor
C. Wireshark
D. Watch4net

Answer: A

Question: 96

Which SyncIQ policy is required if the goal is to have all source data replicated and to retain deleted files?

A. Async Policy
B. AutoBalance Policy
C. Copy Policy

D. Sync Policy

Answer: D

Question: 97

A customer is evaluating PowerScale and NetApp FAS solutions. They are storing many unique files and want to understand how each solution deduplicates data.

What is the difference between how PowerScale and NetApp FAS deduplicate data?

A. PowerScale uses separate deduplication at the volume level.
NetApp FAS uses global deduplication across the cluster.
B. PowerScale uses global deduplication across the cluster.
NetApp FAS separates deduplication at the volume level.
C. PowerScale does not have deduplication.
NetApp FAS uses local deduplication.
D. PowerScale uses local deduplication.
NetApp FAS does not have deduplication.

Answer: B

Question: 98

A customer plans to consolidate 200 TB of digital images and video content. Performance is important for recently created files. However, the customer wants any content that has not been accessed within 30 days to be stored in the cluster at a much lower cost because performance is no longer critical.

Which Isilon configuration should be recommended?

A. X-Series nodes, NL-Series nodes, and SmartPools
B. X-Series nodes and SmartQuotas
C. S-Series nodes, X-Series nodes, and SmartPools
D. NL-Series nodes and SmartLock

Answer: A

Question: 99

What are three benefits of NDMP multistream backup and recovery? (Select 3)

A. Backup context is retained
B. Different backup context
C. Backup concurrently
D. Same backup context
E. Backup sequentially

Answer: A,C,D

Question: 100

A customer has a requirement for a new solution to handle their growing storage requirements. The solution should

have the ability to cover storage needs for the next three years.

The environment consists of 100 TBs of file system data spread across five file systems. On average, the file systems grow 1 TB a month. In addition, they have a large VMware cluster supporting 200 VMs and a highly transactional database.

The customer wants the solution to offer good performance, scalability, manageability, and be cost-effective. The sales team is looking to you to recommend a solution.

Which recommendation will meet the customerâs requirements?

A. VNX for DB and VMware workloads, and Isilon for file system data
B. Isilon scale-out and cluster as required
C. VNX Unified platform with FAST Cache
D. VMAX with FAST VP and a NAS Gateway

Answer: A

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