

E20-555 Dumps

Isilon Solutions and Design Specialist Exam for Technology Architects

<https://www.certleader.com/E20-555-dumps.html>



NEW QUESTION 1

You meet a customer for the first time. They explain that their current environment for NAS does not meet their needs. You want to make sure that Isilon is a good fit for their needs.

What would be a good prequalifying question to ask?

- A. Where will the data center be installed?
- B. How many concurrent clients are accessing your NAS?
- C. How many users are in your Directory Services?
- D. Are you currently using a UPS for your main power source?

Answer: B

NEW QUESTION 2

What is the smallest unit of manageable storage within Isilon SmartPools?

- A. SSD pool
- B. Node pool
- C. Disk pool
- D. File pool

Answer: C

NEW QUESTION 3

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

NEW QUESTION 4

-- Exhibit -

We have been engaged by a research hospital to help upgrade their Isilon installation. They currently have 12 previous generation Isilon nodes with 200TB of capacity and run on a 1Gbps network. They currently have 6 Illumina Hi-Seq Sequencers and an HPC cluster to process data. They would like to expand Isilon to 2PB of active data and 1PB of archive data. They use a third party data and metadata management service (IRODs) to stage data for analysis. The Isilon cluster is mainly used for analysis work with the HPC cluster.

-- Exhibit -

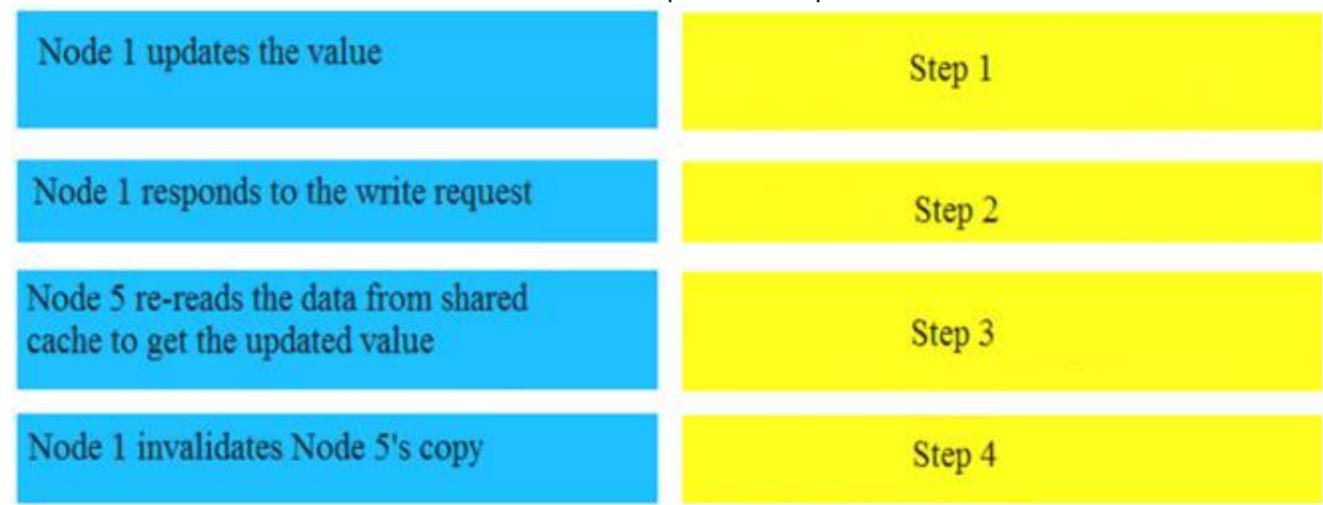
The customer has a limited budget. What would be the best price/performance solution for their active data?

- A. 14 X-Series nodes with no SSD drives and 96GB of RAM
- B. 17 X-Series nodes with SSD drives and 48GB of RAM.
- C. 14 NL-Series nodes with 24GB of RAM
- D. 12 X-Series nodes with no SSD drives and 24GB of RAM

Answer: A

NEW QUESTION 5

A customer is trying to read data from Node 1 to Node 5 in an Isilon cluster. The two Isilon nodes have the same content in the private caches. Cached data is consistent across both instances. What is the correct sequence of steps that OneFS uses to ensure that all data is consistent across the entire shared cache?



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Reference <https://www.emc.com/collateral/hardware/white-papers/h13249-isilon-onefs-smartflash-wp.pdf>

NEW QUESTION 6

Your customer has a new business unit. They are gathering web log files to be analyzed. They are using Hadoop to do the analysis of the logs. The IT department is centrally storing the log files on a five node Isilon cluster. They have enabled the Hadoop cluster to access the files directly. The nodes are X400's with two SSD drives in each node and 96GB of RAM.

How many DataNodes does the Isilon Cluster have?

- A. 1
- B. 5
- C. 10
- D. 15

Answer: B

NEW QUESTION 7

An Isilon customer has two 5-node clusters; one for production and one for disaster recovery (DR). The customer's workflows are replicated to the DR cluster through SyncIQ on individual schedules. They have shut down their production cluster for scheduled maintenance, failed over to the DR cluster, and are currently operating from the DR site.

Assume both clusters have identical shares, exports, user authentication. In addition, assume the client applications have been stopped and the DNS re-pointed. What is the easiest SyncIQ Policy method to continue operations on production?

- A. Initiate Automated Failback
- B. Revert
- C. Initiate Manual Failback
- D. No change is needed

Answer: A

NEW QUESTION 8

An Isilon customer wants a job to periodically validates the checksum of every block in the file system. What should be recommended to the customer?

- A. IntegrityScan
- B. MediaScan
- C. Dynamic Sector Repair
- D. Isilon Data Integrity

Answer: A

NEW QUESTION 9

If a customer experiences a node failure while at 90% capacity, what is the fastest way of replacing the node in an Isilon cluster?

- A. Perform Disk Tango
- B. Perform a disk SmartFail
- C. Perform FlexProtect
- D. Perform a node SmartFail

Answer: D

NEW QUESTION 10

While validating the value (VTV) with a large educational customer, they have decided they would like to add a Disaster Recovery (DR) site to their existing Isilon environment. The existing cluster contains six X-Series nodes. They plan to have all workflows replicated to the DR site and both clusters will have identical shares, exports, and user authentication. The customer would like to test DR failover every six months by running their production environment from the DR site. What would you recommend for the DR solution?

- A. SyncIQ and identical cluster at the DR site
- B. SmartConnect and NL-Series nodes at the primary site
- C. SyncIQ and NL-Series nodes at the DR site
- D. Equal number of S-Series nodes at the primary site

Answer: A

NEW QUESTION 10

Which OneFS feature enables you to host multiple tenants from mutually untrusting AD authentication environments from the same DNS namespace?

- A. SmartConnect
- B. Groupnets
- C. SmartQuotas
- D. Acces Zones

Answer: D

NEW QUESTION 13

A customer has a data retention period of three years. They want a solution in which files cannot be deleted, changed, or modified.

Which Isilon SmartLock version should they implement?

- A. Compliance version
- B. Standard version No WORM
- C. Enterprise version
- D. Standard version with WORM

Answer: A

NEW QUESTION 18

A potential customer has about 540TB of NetApp running in ONTAP 7-Mode. They are willing to let you gather some workload data. They have LDAP and Active Directory authentication and primarily Windows Clients. They are very interested in Automated Tiering and Large Scale Archives. They are not certain about the workflows from the Marketing Department. The Content Team will only say they need to acquire 300 TB within 90 days. They do not know the average file size or the number of aggregates they are managing. Which tools would you use to gather information to do your Isilon sizing?

- A. MiTrend WPA, Autosupport, and PerfCollect
- B. isi status, isi_netlogger, and PerfMon
- C. Wireshark, isi statistics, and iostat
- D. Isilon Insight IQ, OnCommand Insight, and nfsstat

Answer: A

NEW QUESTION 22

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

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

Answer: D

NEW QUESTION 26

Which provider supports authentication and lookup facilities for local users and groups that have been defined and are maintained on the cluster?

- A. AD
- B. File
- C. NIS
- D. Local

Answer: D

NEW QUESTION 31

A customer is considering moving their NAS data over to Isilon systems. They want to know if the Isilon systems have any limitations regarding snapshots. What explanation can be provided?

- A. There is no hard limit on snapshots.
- B. There is a limit of 1024 snapshots per cluster.
- C. There is a limit of 2048 snapshots per cluster.
- D. There is a limit of 2048 snapshots per directory.

Answer: A

NEW QUESTION 36

An Isilon customer has an 8-node cluster of older X-Series nodes. They plan to upgrade the nodes over the next three years in the following stages:

- Stage 1: Add 2 X-Series nodes to meet performance growth
- Stage 2: Add 4 NL-Series nodes to meet archive capacity growth
- Stage 3: Add 10 New X-Series nodes as a hardware refresh
- Stage 4: Remove older X-Series nodes

At which point will a SmartPool license be required?

- A. Stage 1
- B. Stage 2
- C. Stage 3
- D. Stage 4

Answer: B

NEW QUESTION 38

Which type of data is stored in Endurant Cache of an Isilon node?

- A. Write
- B. Volume
- C. Read
- D. Protection

Answer: A

NEW QUESTION 40

A customer wants to add Unix users to their cluster, and requires that NFS access be fault-tolerant. What would you recommend?

- A. Use NFS v4 and dynamic IP addressing with SmartConnect Basic
- B. Use NFS v4 and dynamic IP addressing with SmartConnect Advanced
- C. Use NFS v3 and dynamic IP addressing with SmartConnect Advanced
- D. Use NFS v3 and dynamic IP addressing with SmartConnect Basic

Answer: B

NEW QUESTION 44

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

Answer: B

NEW QUESTION 48

Where is caching for disk blocks staged on an Isilon node?

- A. L2
- B. CPU
- C. L1
- D. RAID

Answer: A

NEW QUESTION 52

Three jobs are running, all with a priority of 5. A new job with a priority of 6 needs to be run. What happens?

- A. The job engine pauses a priority 5 job and runs the new job until completion, then restarts the paused job from the point at which it was interrupted.
- B. The job engine runs the new job in parallel with the other jobs.
- C. The job engine pauses a priority 5 job and runs the new job until completion, then restarts the paused job from the beginning.
- D. The job engine queues the new job until one of the currently running jobs completes.

Answer: D

NEW QUESTION 53

What is appropriate for capturing packets for later analysis of I/O request sizes and randomness on Isilon clusters?

- A. Wireshark
- B. tcpdump
- C. iostat
- D. Mitrend

Answer: A

NEW QUESTION 55

When using an N+2:1 protection policy on a 7-node Isilon cluster, how much capacity will be used to store a 510 KiB file?

- A. 638 KiB
- B. 640 KiB
- C. 766 KiB
- D. 768 KiB

Answer: A

NEW QUESTION 57

A customer is considering the use of RBAC to centrally administer user accounts that can log into multiple Isilon clusters. What is a potential capability for the customer?

- A. Assign users only custom roles with privileges to perform specific administrative tasks
- B. Assign individual privileges for specific administrative tasks directly to user accounts
- C. Assign users built-in or custom roles with privileges to perform specific administrative tasks
- D. Assign users only built-in roles with privileges to perform specific administrative tasks

Answer: C

NEW QUESTION 60

-- Exhibit -

A European Sports TV network is considering Isilon for their Media Edit Storage for their editing workloads. They are also considering Isilon for near-line media archiving.

The network receives XDCAM HD footage which is loaded onto their existing Transcoding Storage platform. New footage that needs to be edited will be transferred from their Transcoding Storage platform to the proposed Media Edit Storage platform at the rate of ten simultaneous XDCAM HD files via FTP. Edited files will be transferred back to the Transcoding Storage platform at the rate of ten simultaneous XDCAM HD files via FTP.

The network currently has 15 Final Cut Pro edit stations, 15 Avid edit stations. Proxy software will be used to allow Isilon to act as the storage for the Final Cut Pro and Avid media. Three of those edit stations will be performing content compositing as needed.

The network expects 70 hours of new content per week, and 50 hours of edited content per week. They intend to keep the new and edited content on the proposed Media Edit Storage as a performance tier for 30 days. They would like to retain all new and edited footage proposed Media Edit Storage as a near-line tier for two years.

In addition to the current workloads, the network expects to implement a new Media Asset Management (MAM) solution and has requested the Isilon cluster be capable of supporting 120 MBps read and 120 MBps write to support the MAM requirements.

-- Exhibit -

Refer to the exhibit.

Codec / Compression	Resolution	Pixel		Aspect Ratio	Frame Rate	Audio Channels	Color Space	Color Sampling	Mbps	MBps	MiBps
		H	V								
ProRes 422 HQ 10 bit	4K	4096	2160	1.9:1	24	8	YCbCr	4:2:2	849	106	101
		3840	2160	16:9	24	8	YCbCr	4:2:2	797	100	95
	2K	2048	1556	2.35:1	24	8	YCbCr	4:2:2	312	39	37
		2048	1080	1.89:1	24	8	YCbCr	4:2:2	219	27	26
	HD	1920	1080	16:9	30	8	YCbCr	4:2:2	256	32	30
					25	8	YCbCr	4:2:2	215	27	26
		1280	720	16:9	60	8	YCbCr	4:2:2	255	32	30
	SD	720	576	4:3	25	4	YCbCr	4:2:2	75	9.3	9
					30	4	YCbCr	4:2:2	75	9.4	9
	ProRes 422 10 bit	4K	4096	2160	1.9:1	24	8	YCbCr	4:2:2	567	71
3840			2160	16:9	24	8	YCbCr	4:2:2	532	67	63
2K		2048	1556	2.35:1	24	8	YCbCr	4:2:2	210	26	25
		2048	1080	1.89:1	24	8	YCbCr	4:2:2	149	19	18
HD		1920	1080	16:9	30	8	YCbCr	4:2:2	173	22	21
					25	8	YCbCr	4:2:2	146	18	17
		1280	720	16:9	60	8	YCbCr	4:2:2	169	21	20
SD		720	576	4:3	25	4	YCbCr	4:2:2	51	6.4	6
					30	4	YCbCr	4:2:2	52	6.5	6
Sony HDCAM SR 10 Bit MPEG-4		HD	1920	1080	16:9	30	8	RGB YCbCr	4:4:4 4:2:2	880 440	110 55
Sony XDCAM HD 8 Bit MPEG-2	HD	1920	1080	16:9	30	8	YCbCr	4:2:2	55	7	7
XAVC 10 Bit H.264	4K	4096	2160	1.9:1	60	8	YCbCr	4:2:2	319	40	38
		3840	2160	16:9	60	8	YCbCr	4:2:2	300	38	36
	2K	2048	1556	2.35:1	60	8	YCbCr	4:2:2	140	18	17
		2048	1080	1.89:1	60	8	YCbCr	4:2:2	100	13	12
	HD	1920	1080	16:9	60	8	YCbCr	4:2:2	100	13	12
50					8	YCbCr	4:2:2	85	11	10	
AVCHD 8 Bit H.264	HD	1920	1080	16:9	30	8	YCbCr	4:2:0	25	3.1	3
					25	8	YCbCr	4:2:0	22	2.8	3
		1280	720	16:9	60	8	YCbCr	4:2:0	19	2.4	2
					50	8	YCbCr	4:2:0	18	2.2	2
Broadcast MPEG-2 8 Bit	HD	1920	1080	16:9	30	2	YCbCr	4:2:0	19	2.4	2
					25	2	YCbCr	4:2:0	16	2.0	2
					60	2	YCbCr	4:2:0	13	1.6	2
	SD	720	576	4:3	25	2	YCbCr	4:2:0	11	1.4	1
					50	2	YCbCr	4:2:0	11	1.4	1
					30	2	YCbCr	4:2:0	6	0.7	1
	720	486	4:3	30	2	YCbCr	4:2:0	6	0.7	1	

Based on the described use of the cluster, what are the customer's capacity requirements?

- A. 30 days retention: 15 TB; 2 years retention: 360 TB
- B. 30 days retention: 5 TB; 2 years retention: 120 TB
- C. 30 days retention: 1 TB; 2 years retention: 24 TB
- D. 30 days retention: 30 TB; 2 years retention: 720 TB

Answer: A

NEW QUESTION 64

Which Isilon feature increases available space by consolidating copies of identical blocks of data?

- A. SmartDedupe
- B. SmartQuotas
- C. Compliance
- D. FlexProtect

Answer: A

NEW QUESTION 68

You have gathered information from your customer about their current NAS environment. They indicated they are having performance and time-out issues with their clients accessing the storage. Currently over 5000 clients are simultaneously accessing the NAS; however, this will double in the next year. Based on this information, what recommendations for a new Isilon cluster would you give to the customer based on this information?

- A. Create a six node X400 cluster toda
- B. As additional clients are added, add additional X400 nodes for them.
- C. Create a seven node X400 cluster toda
- D. You will not need to purchase additional nodes as more clients are added.
- E. Create a three node cluster toda
- F. As more clients are added, add three additional nodes each time for 1000 clients.
- G. Create a five node X400 cluster toda
- H. As more clients are added, add a Performance Accelerator node for every 1000 clients.

Answer: A

NEW QUESTION 71

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

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

- 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

NEW QUESTION 75

A NetApp customer is considering Isilon. They use their filers for UNIX home directories, and would like to see a suggested configuration that would meet their needs.

What would you do to help size this cluster?

- A. Ask for an autosupport file and upload it to MiTrends to generate a workflow profile
- B. Ask them to install InsightIQ and collect data from the filer, then import to SQL for analysis
- C. Ask for the output from nfsstat and upload it to MiTrends to generate a workflow profile
- D. Use tcpdump and upload the output file to MiTrends to generate a protocol analysis

Answer: C

NEW QUESTION 76

A customer currently has 10 HPC nodes. They plan to purchase a 5-node Isilon X400 cluster for an HPC application running on Linux. They will persistent mount the Isilon cluster through NFSv3.

Which recommended configuration addresses the customer's requirements for high availability and throughput?

- A. SmartConnect Advanced with Round Robin connection balancing and dynamic addressing
- B. SmartConnect Basic with Round Robin connection balancing and dynamic addressing
- C. SmartConnect Advanced with Network Throughput connection balancing and dynamic addressing
- D. SmartConnect Advanced with Round Robin connection balancing and static addressing

Answer: A

NEW QUESTION 78

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

Answer: D

NEW QUESTION 81

Your customer has an Isilon 4-node X400 cluster used for home directory use, and has since updated to OneFS 7.1. 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

Answer: B

NEW QUESTION 84

An administrator recently installed InsightIQ to gather cluster statistics, and wants to look at file system usage (such as the number of files in a directory). However, currently no file system statistics are displayed in InsightIQ after 24 hours. Use of the cluster is moderate, and occurs 24 hours per day.

What job for InsightIQ should the administrator modify to successfully report these statistics?

- A. Change priority to 1 and job impact to High for Collect
- B. Change priority to 4 and job impact to Medium for FSAnalyze
- C. Change priority to 7 and job impact to Medium for SmartPools
- D. Change priority to 3 and job impact to Low for MultiScan

Answer: B

NEW QUESTION 85

An Isilon customer has two 5-node clusters, one for production and one for disaster recovery (DR). The customer's workflow is a SmartLock workflow and is replicated to the DR cluster through SyncIQ on an individual schedule. The customer needs to shutdown their production cluster for scheduled maintenance. Assume both clusters have identical shares, exports, user authentication, and that the client applications have been stopped and the DNS re-pointed. What is the correct method to start operations on the DR cluster?

- A. Initiate Manual Failover of the SyncIQ Policy
- B. Initiate Automated Failover of the SyncIQ Policy
- C. No change to the SyncIQ Policy
- D. Revert the SyncIQ Policy

Answer: B

NEW QUESTION 89

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

NEW QUESTION 94

A customer plans to deploy N+2d:1n protection on a 5-node Isilon cluster. How much capacity will be used to store a 320 KiB file?

- A. 512 KiB
- B. 448 KiB
- C. 576 KiB
- D. 640 KiB

Answer: C

NEW QUESTION 99

A company needs to have their data asynchronously replicated. They also need to maintain a daily copy of the data for a week at the target side to enable fast recovery of files. They decide to purchase two Isilon clusters. They do not want to spend money unnecessarily. Which licenses must they acquire?

- A. SyncIQ license at source and target cluster
- B. SnapshotIQ license at source and target clusters.
- C. SyncIQ license at source cluster onl
- D. SnapshotIQ license at source cluster only.
- E. SyncIQ license at target cluster onl
- F. SnapshotIQ license at target cluster only.
- G. SyncIQ license at source and target cluster
- H. SnapshotIQ license at target cluster only.

Answer: D

NEW QUESTION 104

You are designing a new Isilon system to store mobile device video clips. The files average 800MB in size and the application team tells you to plan for up to 15,000 new files per day. The product manager for this new service wants enough capacity for the first year and reminds you that response time for storing and retrieving the files is important for customer satisfaction.

The files will be accessed frequently for the first 48 hours after creation, and then very infrequently after seven days. You plan to use N+2:1 protection, and will configure a SmartPools policy to move inactive files to an archive tier within the cluster.

Which configuration best fits the project requirements?

- A. 4 x X200 nodes with SSD; 36 x NL400 nodes with 4TB drives
- B. 38 x X400 nodes with 4TB drives and SSD
- C. 4 x S200 nodes with SSD; 45 x NL400 nodes with 3TB drives
- D. 4 x X400 nodes with 1TB drives; 36 x NL400 nodes with 4TB drives

Answer: A

NEW QUESTION 105

Which block size does Isilon SyncIQ use to transfer data?

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

Answer: D

NEW QUESTION 108

If business objectives such as value and SLAs are considered, which Isilon license feature provides the ability to manage performance and the cost of data in a cluster?

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

Answer: A

NEW QUESTION 111

A company currently has numerous file servers providing home directories for its employees. Some departments have their own file servers. All corporate users authenticate using Active Directory. The engineering department has their own untrusted AD domain for their file servers.

The company is looking for a consolidated solution that requires minimal changes to the environment, and that creates a single namespace for the home directories.

What is the recommended solution that will meet this company's requirements?

- A. Implement an Isilon cluster and utilize Access Zones.
- B. Configure two separate clusters, one for each AD domain.
- C. Utilize SmartPools to create two pools to separate the domains.
- D. Consolidate onto a single cluster and merge the domains.

Answer: A

NEW QUESTION 116

A company wants to reduce the footprint in their data center. They recently completed a proof of concept with Hadoop using Direct Attached Storage (DAS) for their Big Data initiative. You have determined that incorporating an Isilon cluster into their Hadoop environment would help in reducing this footprint.

Which Hadoop components can be consolidated onto the Isilon cluster to reduce the footprint?

- A. DataNode and NameNode
- B. DataNode and ComputeNode
- C. ComputeNode and NameNode
- D. NameNode and TaskTracker

Answer: A

NEW QUESTION 120

A customer has an Isilon cluster with 6 nodes and a single 4-core CPU per node. The default configuration for SyncIQ workers per CPU core and SyncIQ workers per node per job limits are used.

How many SyncIQ workers are available for the Isilon cluster?

- A. 24
- B. 64
- C. 96
- D. 192

Answer: B

NEW QUESTION 121

A customer created one month of snapshots; one snapshot every 8 hours for 30 days on an Isilon cluster using SnapshotIQ. They are now deleting the snapshots randomly and experiencing overhead to the cluster.

How can the snapshots be removed while avoiding the overhead caused by this process?

- A. Delete the snapshots in order
- B. Use SmartPools to move the snapshot data to a different tier
- C. Snapshots cannot be deleted
- D. Remove the directory

Answer: A

NEW QUESTION 122

You are setting up SmartPools on the cluster. Which Microsoft Windows system tool will illustrate the difference in performance experienced by clients connecting to different tiers of storage?

- A. IOZone
- B. Iometer
- C. iostat
- D. MiTrend

Answer: A

NEW QUESTION 127

What is the minimum number of nodes in an Isilon cluster for N+2 protection?

- A. 3
- B. 5
- C. 6
- D. 9

Answer: B

NEW QUESTION 128

You meet a customer for the first time. They explain that their current environment for NAS does not meet their needs. You want to make sure that Isilon is a good fit for their needs.

What would be a good prequalifying question to ask?

- A. What Applications access this storage?
- B. What type of racks are in your datacenter?
- C. Are you using a KVM to access your storage?
- D. How many NICs do your clients have?

Answer: A

NEW QUESTION 131

You will be meeting with the Corporate Security Team as part of the implementation planning for a new Isilon cluster deployment. The Lead Security Analyst has asked you to discuss the Authentication Sources on your Isilon Cluster.

What customer questions regarding Isilon-supported Authentication Sources do you need to be prepared to answer?

- A. What mechanism are you using for NFS authentication?Do you have multiple AD domain support?What versions of LDAP are supported?
- B. Are you using File Services for UNIX in your AD environment?Do you support NIS+ for NFS authentication?Do you support multiple Access Zones connecting to the AD Domain?
- C. What mechanism are you using for NFS authentication?Do you support Novell Directory Services?What flavor of LDAP is supported?
- D. Is the cluster x.400 compliant?What firewall rules are in place to prevent data leakage?Is there a audit trail for access zone configuration changes?

Answer: A

NEW QUESTION 133

A company wants to have their new Gen 6 Isilon cluster benchmarked for a UNIX environment. What commonly available open source tool is typically used to test an Isilon cluster's performance for this environment?

- A. sar
- B. Perfmon
- C. IOZone
- D. Iometer

Answer: D

NEW QUESTION 136

If Isilon SmartConnect is being configured in a customer environment, which records are required for a supported implementation?

- A. A SmartConnect Service IP host record and a zone delegation for the SmartConnect zone delegated to the SSIP
- B. An overloaded host record with each SmartConnect zone member's IP address and an SRV record to provide resolution services
- C. A SmartConnect Service IP host record and a corresponding PTR record for each SmartConnect zone
- D. A SOA record for the SmartConnect Service IP and a corresponding CNAME record for each SmartConnect zone

Answer: A

NEW QUESTION 141

A hospital is considering using Isilon to store their archived medical images and Genomic Sequencing data. They currently have 56 TB of PACS images and 24 TB of genomic data, and expect to double their capacity requirements this year. They will replicate to a DR cluster, and plan to use N+2 protection. The production workload needs to be run at either site.

Which minimum cluster configuration, at each site, including software, would meet this customer's environment?

- A. Five X400 (2 TB drives) nodes with SyncIQ.
- B. Four NL400 (3 TB drives) nodes with SyncIQ.
- C. Seven X200 (3 TB drives) nodes with SyncIQ and SnapshotIQ
- D. Five X400 (2 TB drives) nodes with SnapshotIQ.

Answer: A

NEW QUESTION 142

A telecommunications company has a substantial amount of data. This data is being created by network elements within their environment.

The company wants to change the way the network elements Call Detail Records (CDR) are stored and analyzed. The existing infrastructure consolidates all of the CDRs into a table structure, and then ingests them into a large database. Once ingested, a query engine accesses the database and performs analysis on these files. The system is functional; however, since the amount of CDRs generated will increase exponentially over the next year, the company is open to alternatives for storing and analyzing these records.

In evaluating alternatives, the key requirements are to reduce cost, the amount of storage, and the amount of time to analyze the data. The customer would like to use Hadoop to analyze the CDRs.

After you have conducted an assessment of the workflow, you have recommended an Isilon Cluster to work within the Hadoop environment.

Considering the customer's requirements, which is the best node type for the Isilon cluster?

- A. NL400 with 48GB RAM and no SSDs per node
- B. X400 with 96GB of RAM and no SSDs per node
- C. X400 with 24GB RAM and 1.6TB of SSD per node
- D. X200 with 24GB of RAM and 1.2TB of SSD per node

Answer: B

NEW QUESTION 143

An Isilon customer experienced a node failure. The failure requires that the affected node be permanently removed from the cluster. What will occur in the cluster upon failure of the node?

- A. OneFS will assume it is a temporary failure and the data will not be protected at the appropriate levels.
- B. Cluster will detect the node failure and automatically begin the SmartFail process.
- C. FlexProtect will be activated and data will be protected at the appropriate levels.
- D. Nothin
- E. When data protection levels are set appropriately, OneFS will always protect data without manual interaction.

Answer: A

NEW QUESTION 146

Which type of deduplication is used to maximize the storage efficiently on an Isilon cluster?

- A. Fixed-segment
- B. Post-process
- C. Target-based
- D. Inline

Answer: B

NEW QUESTION 150

A customer plans to deploy N+2:1 protection on a 5-node Isilon cluster. How much capacity will be used to store a 320 KiB file?

- A. 320 KiB
- B. 448 KiB
- C. 576 KiB
- D. 640 KiB

Answer: D

NEW QUESTION 151

If an Isilon customer has an environment that requires usage data for chargeback, for analyzing usage trends and for capacity planning, which type of quota enforcing option should be used?

- A. Advisory
- B. Soft
- C. Hard
- D. Thin

Answer: B

NEW QUESTION 155

An Isilon customer has two 5-node clusters; one for production and one for disaster recovery (DR). The customer's workflows are replicated to the DR cluster through SyncIQ on individual schedules. They shutdown their production cluster for a scheduled DR test, failed over to the DR cluster, and continue their DR testing.

Assume both clusters have identical shares, exports, and user authentication and that the client applications have been stopped and the DNS re-pointed. What is the correct method to continue production operations?

- A. Revert the SyncIQ Policy
- B. Initiate Manual Failback of the SyncIQ Policy
- C. Initiate Automated Failback of the SyncIQ Policy
- D. No change to the SyncIQ Policy

Answer: A

NEW QUESTION 160

By default, which method is used by Isilon OneFS for SSDs?

- A. Metadata read acceleration
- B. Metadata read/write acceleration
- C. Data on SSDs
- D. Avoid SSDs

Answer: A

NEW QUESTION 164

You have scheduled a meeting with a prospective customer in the Life Sciences vertical market. Which Isilon features should be presented to them?

- A. SmartLock, HDFS, SmartPools and SmartQuotas
- B. SmartPools, HDFS, 10 GigE support and SmartQuotas
- C. SyncIQ, SmartLock, HDFS and SmartConnect
- D. SyncIQ, Antivirus, 10 GigE support and HDFS

Answer: A

NEW QUESTION 168

A customer is making a decision between Isilon and a competitor's offering. They currently have 100TB of usable capacity and are forecasting 100% growth per year for the next three years, which will require them to lease additional space in their co-located data center. The CFO finds ROI and TCO to be important decision criteria.

Which statement best emphasizes the value of Isilon for this customer?

- A. Isilon's OneFS data protection policies offer substantially lower overhead than competitive RAID based NAS solutions.
- B. An IDC study found that Isilon requires 95% less down time hours per year compared to other competitors.
- C. The competition cannot offer a scale-out NAS so as capacity is added to the array, performance may degrade.
- D. Isilon's OneFS allows administrators to manage much larger amounts of capacity than competitive offerings.

Answer: A

NEW QUESTION 169

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.

Answer: D

NEW QUESTION 171

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?

- A. Medium, Low, Low

- B. Medium, Medium, Low
- C. High, Medium, Paused
- D. High, High, Low

Answer: B

NEW QUESTION 172

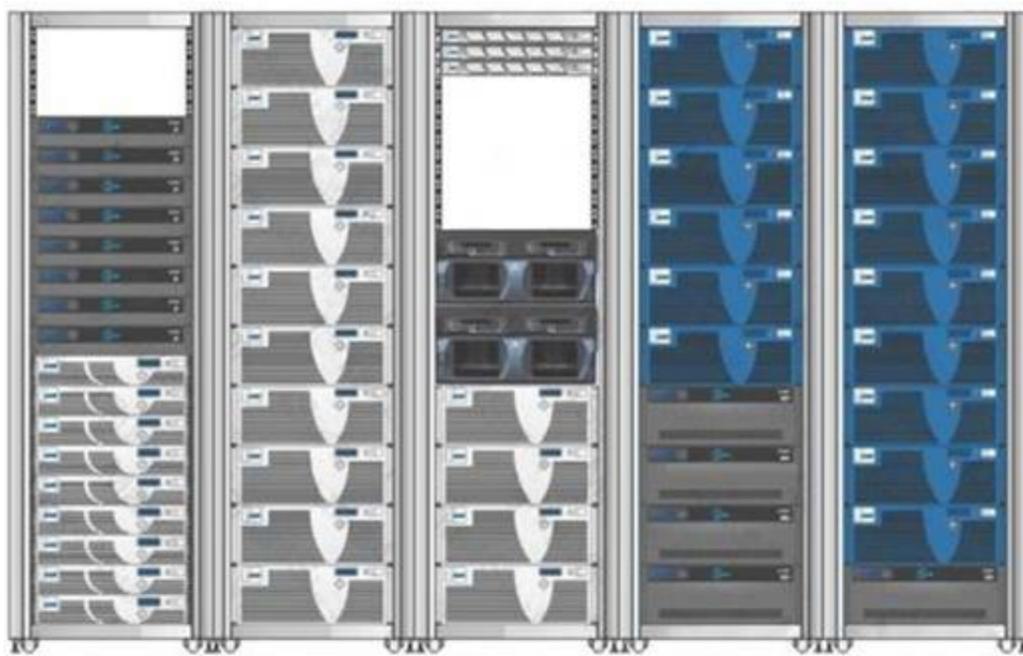
You are sizing an Isilon Cluster for a new customer. Analyzing their workflow, you determine that they have a small block random read workload. What is the most important factor to consider when sizing this solution?

- A. Headroom
- B. IOPS
- C. Latency
- D. Bandwidth

Answer: B

NEW QUESTION 176

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 pool
- C. Then name them.
- D. Borrow nodes to reconfigure the cluster and migrate the data to new cluster.
- E. Explain to the customer that this will result in data loss.

Answer: A

NEW QUESTION 177

-- 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 – 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 -

Which Isilon license options are required to meet the customer's needs?

- A. SnapshotIQSmartQuotasSyncplicity EEInsightIQSmartPools
- B. SnapshotIQSmartConnect AdvancedSmartQuotasSynclQInsightIQSmartPools
- C. SnapshotIQSmartQuotasSyncplicity EESynclQInsightIQSmartPools
- D. SnapshotIQSmartQuotasSmartLockSynclQInsightIQ

Answer: A

NEW QUESTION 181

An Isilon customer wants the ability to provide low latency I/O for their files due to a workflow involving small, random reads and writes. Which SSD strategy is most effective for this use case?

- A. Data on SSDs
- B. Metadata read acceleration
- C. Metadata read/write acceleration
- D. Avoid SSDs

Answer: A

NEW QUESTION 184

How does Isilon SnapshotIQ use storage for snapshots?

- A. Through Changed Block Tracking and only changed data blocks are saved
- B. Works on the file level and saves the entire file no matter what has changed
- C. Works with 4 KiB blocks and will always use that amount of storage, no matter what has changed
- D. Through Changed Block Tracking and always uses a 4 KiB block, even if the data changed is less than that amount

Answer: A

NEW QUESTION 189

You are helping a customer create a cost-effective Isilon solution. The customer environment includes high IOPS-intensive, random access file-based applications. Which Isilon storage node type will meet the customer's needs?

- A. S-Series
- B. NL-Series
- C. X-Series
- D. Performance Accelerator

Answer: A

NEW QUESTION 194

There is a concern that there are not enough physical switch ports available for the Isilon cluster in a new implementation with SMB and ICAP requirements. What course of action should be taken?

- A. Team the NICs across the nodes and just add one connection to minimize the ports required.
- B. The customer needs to provide more switch ports for the implementation
- C. Create a SmartConnect zone across all ports but do not connect all of them
- D. Leave the archival nodes off the external network switch to save switch ports

Answer: B

NEW QUESTION 196

In an Isilon cluster, what is the largest number of nodes that a single file can be striped across?

- A. 10
- B. 20
- C. 30
- D. 40

Answer: B

NEW QUESTION 201

An Isilon customer wants a job to periodically check disk sectors to ensure they can be read. What should be recommended to the customer?

- A. MediaScan
- B. IntegrityScan
- C. Dynamic Sector Repair
- D. Isilon Data Integrity

Answer: A

NEW QUESTION 205

A customer requires a backup to tape of their Isilon cluster. They want advice on whether to implement a two-way NDMP solution or a three-way solution. The front-end network must be used to stream data to the backup solution. Which cost-effective solution will meet their needs?

- A. Two-way including a Backup Accelerator

- B. Three-way without a Backup Accelerator
- C. Three-way including a Backup Accelerator
- D. Two-way without a Backup Accelerator

Answer: A

NEW QUESTION 208

You meet a customer for the first time. They explain that their current environment for NAS does not meet their needs. You want to make sure that Isilon is a good fit for their needs.

What would be a good prequalifying question to ask?

- A. What protocols are accessing your NAS?
- B. What application are you using to create directories?
- C. Is your datacenter ISO9001 compliant?
- D. How many users are in your Directory Services?

Answer: A

NEW QUESTION 212

You have 1000 users for an application that reads and writes files averaging between one and four MB in size. Each user requires 24 MB of RAM. You want to add another 1000 users for this application, and in preparation for them, you run the isi statistics command. You discover that the average CPU utilization is 20%; aggregate throughput averages 700 MB/s and the disk QueueD average is 1.5. Your cluster currently has five X200 (12 GB RAM, 1 TB drive) nodes, uses N+2:1 protection and 1 GigE networking.

What should you do to accommodate the next 1000 users?

- A. Add five additional X200 (12 GB, 1 TB drive) nodes
- B. Upgrade each X200 node to a total of 24 GB of RAM.
- C. Upgrade two of the 1 GigE NICs to 10 GigE on each node.
- D. Add five A100 (24 GB RAM) accelerator nodes.

Answer: A

NEW QUESTION 213

You need to gather information in order to design an Isilon solution. What are included in the Top 10 qualification questions?

- A. Required capacity, average file size, growth rate, and network supplier
- B. Current infrastructure, desired protocols, CapEx/OpEx preference, and growth rate
- C. Required capacity, applications in use, desired protocols, and growth rate
- D. Current infrastructure, applications in use, desired protocols, and company turnover

Answer: A

NEW QUESTION 216

A customer has 10 nodes in a cluster using N+2 protection. What is the minimum number of nodes required to be online and in communication with one another to satisfy quorum?

- A. 4
- B. 5
- C. 6
- D. 7

Answer: C

NEW QUESTION 217

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

Answer: A

NEW QUESTION 221

Which type(s) of data is predominately associated with home directories and file shares?

- A. E-mail files, PPT, Word documents
- B. Oracle directories
- C. SQL database files
- D. XML data

Answer: A

NEW QUESTION 223

Which node type provides CPU, memory, and Fibre Channel connectivity?

- A. Backup Accelerator
- B. Performance Accelerator
- C. X-Series
- D. NL-Series

Answer: A

NEW QUESTION 224

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

Answer: A

NEW QUESTION 227

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

Answer: C

NEW QUESTION 230

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

Answer: C

NEW QUESTION 233

An Isilon customer expressed an interest in more effectively managing their storage. Specifically, they would like to plan for future growth. Which tool would allow the customer to forecast capacity requirements?

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

Answer: A

NEW QUESTION 238

What is a Shadow Store used for in Isilon OneFS?

- A. Shared data for clones and original files
- B. Changed block data for clones and original files
- C. Changed block data for SyncIQ
- D. Changed blocks for SnapshotIQ

Answer: A

NEW QUESTION 241

Your customer is looking for a storage solution that will be able to store seven million 3 MB files, which are written and seldom accessed. Read and write operations are both completed by a web-based application, which requires 1.3 Gbps throughput. The customer's network has not been upgraded in many years, so the network interfaces are 1 Gbps.

Which cluster configuration would best meet the customer's requirements?

- A. 3 NL400 nodes
- B. 3 X400 nodes
- C. 4 X200 nodes
- D. 5 S200 nodes

Answer: D

NEW QUESTION 242

Refer to the exhibit.

Codec / Compression	Resolution	Pixel		Aspect Ratio	Frame Rate	Audio Channels	Color Space	Color Sampling	Mbps	Mlps	Mlps	
		H	V									
DPX 8 Bit	4K	4096	2160	1.9:1	24	8	RGB	4:4:4	6801	850	811	
			3840	2160	16:9	24	8	YUV*	4:4:4	4535	567	541
			3840	2160	16:9	24	8	RGB	4:4:4	6377	797	760
	2K	2048	1556	2.35:1	24	8	RGB	4:4:4	4252	531	507	
			2048	1080	1.89:1	24	8	RGB	4:4:4	2456	307	293
			2048	1080	1.89:1	24	8	RGB	4:4:4	1708	213	204
DPX 10 Bit	4K	4096	2160	1.9:1	24	8	RGB	4:4:4	5443	680	649	
			3840	2160	16:9	24	8	YUV*	4:4:4	3402	425	406
			3840	2160	16:9	24	8	RGB	4:4:4	5103	638	608
	2K	2048	1556	2.35:1	24	8	RGB	4:4:4	3190	399	380	
			2048	1080	1.89:1	24	8	RGB	4:4:4	1967	246	234
			2048	1080	1.89:1	24	8	RGB	4:4:4	1368	171	163
DNxHD 440 10 Bit	HD	1920	1080	16:9	30	8	RGB	4:4:4	446	56	53	
DNxHD 220 10 Bit	4K	4096	2160	1.9:1	24	8	YCbCr	4:2:2	757	95	90	
			3840	2160	16:9	24	8	YCbCr	4:2:2	710	89	85
			3840	2160	16:9	24	8	YCbCr	4:2:2	279	35	33
	2K	2048	1556	2.35:1	24	8	YCbCr	4:2:2	196	25	23	
			2048	1080	1.89:1	24	8	YCbCr	4:2:2	229	29	27
			1920	1080	16:9	30	8	YCbCr	4:2:2	192	24	23
	HD		1280	720	16:9	60	8	YCbCr	4:2:2	204	26	24
			1280	720	16:9	50	8	YCbCr	4:2:2	172	21	20
			1280	720	16:9	30	8	YCbCr	4:2:2	496	62	59
	DNxHD 145 8 Bit	4K	4096	2160	1.9:1	24	8	YCbCr	4:2:2	465	58	55
			3840	2160	16:9	24	8	YCbCr	4:2:2	185	23	22
			3840	2160	16:9	24	8	YCbCr	4:2:2	131	16	16
2K		2048	1556	2.35:1	24	8	YCbCr	4:2:2	152	19	18	
			2048	1080	1.89:1	24	8	YCbCr	4:2:2	128	16	15
			1920	1080	16:9	30	8	YCbCr	4:2:2	136	17	16
HD		1280	720	16:9	60	8	YCbCr	4:2:2	115	14	14	
		1280	720	16:9	50	8	YCbCr	4:2:2	115	14	14	
		1280	720	16:9	30	8	YCbCr	4:2:2	115	14	14	
DV50 8 Bit	SD	720	576	4:3	25	4	YCbCr	4:2:2	62	7.7	7	
DV25 8 Bit	SD	720	576	4:3	25	4	YCbCr	4:2:2	33	4.1	4	
		720	486	4:3	30	4	YCbCr	4:2:2	34	4.2	4	
ProRes 4444 12 bit	4K	4096	2160	1.9:1	24	8	RGB	4:4:4	1275	159	152	
			3840	2160	16:9	24	8	RGB	4:4:4	1196	150	143
			3840	2160	16:9	24	8	RGB	4:4:4	465	58	55
	2K	2048	1556	2.35:1	24	8	RGB	4:4:4	326	41	39	
			2048	1080	1.89:1	24	8	RGB	4:4:4	380	48	45
			1920	1080	16:9	30	8	RGB	4:4:4	319	40	38
	HD		1280	720	16:9	60	8	RGB	4:4:4	381	48	45
			1280	720	16:9	50	8	RGB	4:4:4	319	40	38
			1280	720	16:9	30	8	RGB	4:4:4	115	14	14
	SD	720	576	4:3	25	4	RGB	4:4:4	117	15	14	
720		486	4:3	30	4	RGB	4:4:4	117	15	14		
2K	4K	4096	2160	1.9:1	24	8	YCbCr	4:2:2	849	106	101	
			3840	2160	16:9	24	8	YCbCr	4:2:2	797	100	95
	2K	2048	1556	2.35:1	24	8	YCbCr	4:2:2	312	39	37	
			2048	1080	1.89:1	24	8	YCbCr	4:2:2	219	27	26

During a requirements gathering meeting, the customer identified a desire to use a codec for editing content that will take up the least amount of space on their Isilon cluster. The content is 1920x1080 HD.

Based on the provided list of codecs, which codec would minimize the storage requirement?

- A. DNxHD 145 8 Bit
- B. DPX 8 Bit
- C. ProRes 444 12 Bit
- D. DNxHD 220 10 Bit

Answer: A

NEW QUESTION 245

A customer experiences a system failure on an Isilon storage node. However, the disk drives in the node are not affected. What is the preferred method for restoring cluster integrity?

- A. Engage EMC support to perform a Disk Tango process to move drives, journal, and boot volumes to a replacement chassis
- B. Allow OneFS to proceed with its automatic SmartFail process to re-protect the failed node
- C. Migrate the disks from the failed node into spare drive bays on other nodes
- D. Initiate a manual SmartFail process on the node as it is not started automatically

Answer: A

NEW QUESTION 248

You have had several discussions with your customer in the processor design industry. They have stated that they want a Scale-Out NAS platform for their design environment. Their most significant responses were "We have 125 design engineers accessing large diagrams and we need high throughput to support them. Can we also get the highest performance available? We need to stay ahead of our competitors." Other areas you discussed were their data retention policies and workflow after the chip design is completed. They plan to archive the design files but the files must stay on line. What is your initial node recommendation?

- A. S-Series nodes for the active diagrams and NL Series nodes for the archives
- B. A-Series nodes for the active diagrams and X-Series nodes for the archives.
- C. X-Series nodes for the active diagrams and NL 400 nodes for the archives
- D. X-Series nodes with SSD for the active diagrams and NL nodes for the archives

Answer: A

NEW QUESTION 252

What is the maximum number of file pool policies supported in an Isilon cluster?

- A. 100

- B. 128
- C. 256
- D. No limit

Answer: C

NEW QUESTION 256

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

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

Answer: B

NEW QUESTION 261

Using Isilon SnapshotIQ, how many snapshots can be created at the directory level?

- A. 8
- B. 96
- C. 256
- D. 1024

Answer: D

NEW QUESTION 262

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 SQL.
- 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

NEW QUESTION 266

A customer wants to use their large Gen 6 Isilon cluster for ILM. All of their data is written to and read from a single file pool. They need to use multiple file pools, so slightly used data is stored on less expensive, large disks. Heavily used data is stored on a faster tier.

What would satisfy the customer's needs?

- A. Configure SmartPools Advanced
- B. Add an A-series node with SmartPools license
- C. Enable FAST VP license on each node pair
- D. Install SmartPools license on the cluster

Answer: A

NEW QUESTION 271

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

Answer: A

NEW QUESTION 276

After raw events are processed by the CELOG coalescers, what happens to the data?

- A. Stored in the log databases and coalesced into event groups
- B. Stored in the audit host and coalesced into event groups
- C. Stored in the syslog host and coalesced into event groups
- D. Stored in the log databases and not coalesced into event groups

Answer: B

NEW QUESTION 281

Which tool is used to perform a cluster-wide kernel configuration change on an Isilon Gen 6 cluster?

- A. sysct1
- B. isi_tardis
- C. isi_for_array
- D. gconfig

Answer: A

NEW QUESTION 286

-- 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 – 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 -

Based on the meeting with the customer, which Isilon cluster configuration would you recommend?

- A. 4 x X400 nodes with 2 x SSD and 34 x 4TB drives1 x Additional NL400
- B. 6 x X400 nodes with 36 x 4TB drives1 x Backup Accelerator
- C. 4 x NL400 nodes with 36 x 4TB drives
- D. 9 x S200 nodes with 2 x SSD and 22 x 900GB SAS

Answer: A

NEW QUESTION 290

An Isilon customer created a scheduled SyncIQ policy to replicate data from an Enterprise-mode SmartLock directory. The source cluster is now unusable and the target cluster does not automatically allow writes to the data in the replicated SmartLock directory.

What is the reason why the target cluster did not automatically allow writes of the data?

- A. SyncIQ Automated failover is not supported for SmartLock directories; however, manual failover is allowed.
- B. Automated failover and manual failover are not allowed on SmartLock directories on the target cluster.
- C. A SyncIQ job was running while the source cluster became unusable, thereby removing all data on the target directory.
- D. SnapshotIQ was not licensed on the target cluster; the snapshot of the directory is not available for use by SyncIQ.

Answer: A

NEW QUESTION 292

A customer is trying to get Isilon SyncIQ to run on the two clusters they just purchased. However, they are experiencing some problems. They have asked you to explain how the SyncIQ licensing works.

What information can be provided to the customer?

- A. SyncIQ license is required on both the source and target clusters
- B. SyncIQ license is required on the source but not on the target cluster
- C. SyncIQ license is required on target but not on the source cluster
- D. SyncIQ license is included in the OneFS license; no additional license is needed

Answer: A

Explanation:

The SyncIQ license is required on "both" the source and target clusters.

NEW QUESTION 293

An Isilon has two ports configured per node. Each port is on a different VLAN. Although incoming traffic is evenly distributed, transmitted data from the Isilon uses one port more than the other port. What could be the cause of this imbalance?

- A. Static routes are configured on the less-used port
- B. A default gateway was not configured on both ports
- C. Source Based Routing is not enabled on the cluster
- D. Priority of the gateway in the less-used port set too low

Answer: B

NEW QUESTION 298

-- Exhibit -

We have been engaged by a research hospital to help upgrade their Isilon installation. They currently have 12 previous generation Isilon nodes with 200TB of capacity and run on a 1Gbps network. They currently have 6 Illumina Hi-Seq Sequencers and an HPC cluster to process data. They would like to expand Isilon to 2PB of active data and 1PB of archive data. They use a third party data and metadata management service (IRODs) to stage data for analysis. The Isilon cluster is mainly used for analysis work with the HPC cluster.

-- Exhibit -

Before making any changes, the customer would like a graphical presentation of their existing array performance to present to management.

What is the best tool to gather this information?

- A. InsightIQ
- B. isi_netlogger
- C. tcpdump
- D. netstat

Answer: A

NEW QUESTION 300

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

Answer: B

NEW QUESTION 304

For concurrent I/O, how do SmartCache and Endurant Cache differ?

- A. Endurant Cache sends an acknowledgement to the client immediately after mirroring writes in NVRAM
- B. Endurant Cache waits for acknowledgement from all nodes before copying to L2 cache
- C. SmartCache immediately commits the write to NVRAM on the local node and one peer node
- D. SmartCache uses sub-file, granular locking whereas Endurant Cache locks the entire file

Answer: A

NEW QUESTION 307

In an Isilon cluster for N+2 protection, what is the minimum number of nodes?

- A. 3
- B. 5
- C. 6
- D. 9

Answer: B

NEW QUESTION 308

A customer wants to replace a legacy storage environment used for high definition video editing. Each workstation connecting to the shared storage needs to sustain 650 MB/s of single stream bandwidth.

Which node type is recommended?

- A. Performance Accelerator nodes
- B. NL-Series nodes
- C. X-Series nodes
- D. S-Series nodes

Answer: A

NEW QUESTION 310

An Isilon customer has set up a replication policy between a primary cluster and a secondary cluster. After the initial synchronization of the clusters, the primary cluster starts to display some issues. The customer initiates a failover operation between the two clusters.

During the failover, the primary cluster becomes fully operational again. The customer wants to stop the failover operation between the two clusters.

What is the best way to stop the failover operation and continue using the primary cluster?

- A. Initiate a failover revert on the secondary cluster
- B. Initiate a failover revert on the primary cluster
- C. Nothing; this is an automatic process
- D. Delete the primary clusters' snapshot of this data

Answer: A

NEW QUESTION 315

An existing customer has two NAS systems providing NFS storage in their main datacenter - one is an Isilon cluster and the second is an array from another vendor. Both systems are four years old, and the customer would like to consolidate the storage into a single solution. According to the customer, both systems support identical workloads with similar performance and utilization, and they want the new solution to support 50% performance growth. Which method can model the workload requirements, and what multiplier will capture the requirements for the new solution?

- A. Use isi statistics protocol, and multiply by 3
- B. Use isi statistics drives, and multiply by 1.5
- C. Use isi statistics query, and multiply by 2
- D. Use isi statistics system, and multiply by 3

Answer: A

NEW QUESTION 316

A customer has an SMB file directory with 375 TB of data on the primary cluster with a protection level of N+ 3:1. They want to replicate this directory to the secondary cluster. The customer would like information about the possibility of setting protection levels on the target cluster. What information can be provided to the customer about the protection level for the target directory?

- A. Configured separately on the target cluster and does not need to match the source
- B. Configured separately on the target cluster and must match the source
- C. Controlled by SynclQ and cannot be altered
- D. Controlled by SynclQ and can be altered by the CLI

Answer: A

NEW QUESTION 317

What is an accurate statement when configuring an Isilon Gen 6 cluster with Compliance SmartLock?

- A. Standard directories containing data can be converted to a Compliance SmartLock directory
- B. SmartLock compliance directories can only be migrated from the recovery cluster
- C. Compliance directories have a system clock that is set once and cannot be changed after being set
- D. Failback of SmartLock compliance mode directories is not supported for Isilon Gen 6 clusters

Answer: B

NEW QUESTION 320

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

Answer: A

NEW QUESTION 322

Which Isilon job has a default priority of '1'?

- A. MultiScan
- B. Media Scan
- C. FSAnalyze
- D. FlexProtect

Answer: D

NEW QUESTION 325

An Isilon customer's administrator created the nested directory structure, shown in the exhibit, using SmartQuotas. However, a user needs to write an additional 650 GB of data to "/ifs/data/acct/recv".

Directory Name	Quota Type	Directory Path	Directory Quota Limit	Amount of Directory Quota Used
Directory1	Hard	/ifs/data/acct/	1300 GB	--
Subdirectory1	User	/ifs/data/acct/pay/	500 GB	400 GB
Subdirectory2	User	/ifs/data/acct/recv/	500 GB	350 GB

Which steps will enable the user to complete this task?

- A. Directory1 Quot
- B. Increase to 1400 GBUser QuotA.Increase to 1000 GB on Subdirectory2
- C. User Quot
- D. Decrease to 650 GB on Subdirectory2Directory1 QuotA.Decrease to 1650 GB
- E. User Quot
- F. Decrease to 400 GB on Subdirectory1Directory1 QuotA.Increase to 1650 GB

- G. Directory1 Quot
- H. Increase to 1350 GBUser QuotA.Decrease to 1000 GB on Subdirectory1

Answer: A

NEW QUESTION 328

A Media and Entertainment company is considering changing from 2K resolution to 4K resolution. They will continue to use the DNxHD 220 codec. Assuming everything else stays the same, how will this change affect storage?

- A. Storage will be half as large
- B. Storage requirements will not change
- C. Storage will be twice as large
- D. Storage will be four times as large

Answer: B

NEW QUESTION 332

-- 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 – 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.

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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 -

Which configuration changes would you recommend for the Engineering users?

- A. Direct all clients to use the Manufacturing DNS server and connect NFS mounts to the FQDN of the Isilon cluster.
- B. Mount an NFS share to a node on the Isilon cluster, being careful to equally distribute the load across nodes.
- C. Utilize SMB2.1 protocol and mount to the Isilon cluster using the Name Server (NS) record IP.
- D. Create an FQDN for the Isilon cluster in the LMHOSTS file for each engineering system.

Answer: A

NEW QUESTION 337

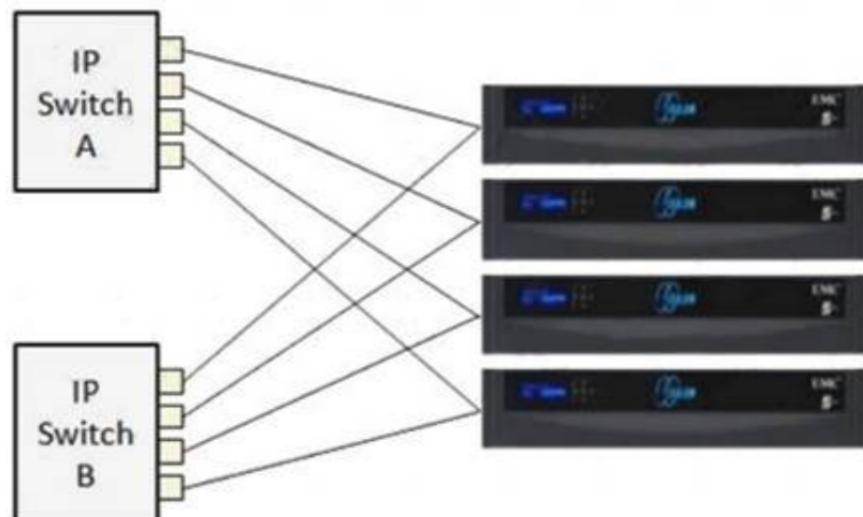
In an Isilon environment, which event will avoid Dynamic IP Address reallocation?

- A. Client is added to the cluster
- B. Failure of the back-end network
- C. Node reboot
- D. Cluster split

Answer: D

NEW QUESTION 339

Refer to the exhibit.



You want to add redundancy to your network configuration, rather than performance. You have configured all interfaces into the default SmartConnect zone. How should you configure the switches and Isilon networking to provide your desired network redundancy?

- A. Configure the switch ports for LACP and use LACP aggregation for subnet0:pool0.
- B. Configure the switch ports as access points and use LACP aggregation for subnet0:pool0.

- C. Configure the switch ports for LACP and use FEC aggregation for subnet0:pool0.
- D. Configure the switch ports as access points, bond ext-0 and ext-1 on all nodes and use Active/Passive aggregation for subnet0:pool0.

Answer: A

NEW QUESTION 341

A media and entertainment company has asked for help in creating a new Video On Demand (VOD) storage system. The storage would be delivered to 5000 subscribers simultaneously. They would like to store 5000 hours of full length, High Definition (HD) movies. What would be the best price-to-performance nodes for this solution?

- A. X400 with no SSD and 96GB RAM
- B. X200 with no SSD and 48GB RAM
- C. Mixed X400 48GB RAM and NL400 24GB
- D. X400 with 1.6TB SSD and 24GB RAM

Answer: A

NEW QUESTION 343

An Isilon customer has two 5-node clusters; one for production and one for disaster recovery (DR). The customer's workflows are replicated to the DR cluster through SyncIQ on individual schedules. They shut down their production cluster for a scheduled DR test, failed over to the DR cluster, and continue their DR testing.

Assume both clusters have identical shares, exports, and user authentication. Additionally, assume the client applications have been stopped and the DNS re-pointed. Which SyncIQ Policy method should be used to continue production operations?

- A. Revert
- B. Initiate Manual Failback
- C. Initiate Automated Failback
- D. No change is needed

Answer: A

NEW QUESTION 347

Which Isilon job periodically checks disk sectors to ensure they can be read?

- A. MediaScan
- B. IntegrityScan
- C. Dynamic Sector Repair
- D. Isilon Data Integrity

Answer: A

NEW QUESTION 350

An Isilon has 6 X410 nodes and 4 NL410 nodes. How many job engine directors does the cluster have?

- A. 4
- B. 6
- C. 10
- D. 20

Answer: A

NEW QUESTION 353

You have been working with a customer to size a new Isilon cluster for their environment. You recently determined that a cluster with three X400 nodes with 1TB drives and 48 GB RAM would be a perfect starting point for their workflow, but will have extra capacity. The customer just informed you that they have decided to also use the cluster for a small home directory environment and implement SmartQuotas.

Which configuration changes should you consider?

- A. Increase the memory and add SSDs to the configuration.
- B. Add an additional X400-Series node to the configuration.
- C. Add three NL-Series nodes with 1 TB drives with 48GB RAM, and use SmartPools.
- D. Add three S-Series nodes with 300GB drives with 48GB RAM, and use SmartPools.

Answer: A

NEW QUESTION 357

An Isilon customer needs to grant a specific administrator on RBAC privilege. What does the customer need to do?

- A. Add the selected user account to the appropriate RBAC role and facilitate user access to the System access zone.
- B. Add the selected user account to the local provider, grant the appropriate RBAC role, and facilitate access to the production access zone only.
- C. Add the selected user account to the remote provider, grant the appropriate RBAC role, and facilitate access to the production access zone only.
- D. Add the selected user account to the local provider, grant the appropriate RBAC role, and facilitate access to both the production access zone and System access zone.

Answer: A

NEW QUESTION 361

If a client is mounted to the sixth node in a 20-node Isilon cluster, how much memory cache can that client leverage assuming each node has 8 GB of memory cache?

- A. 16 GB
- B. 40 GB
- C. 120 GB
- D. 160 GB

Answer: D

NEW QUESTION 366

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

Answer: A

NEW QUESTION 367

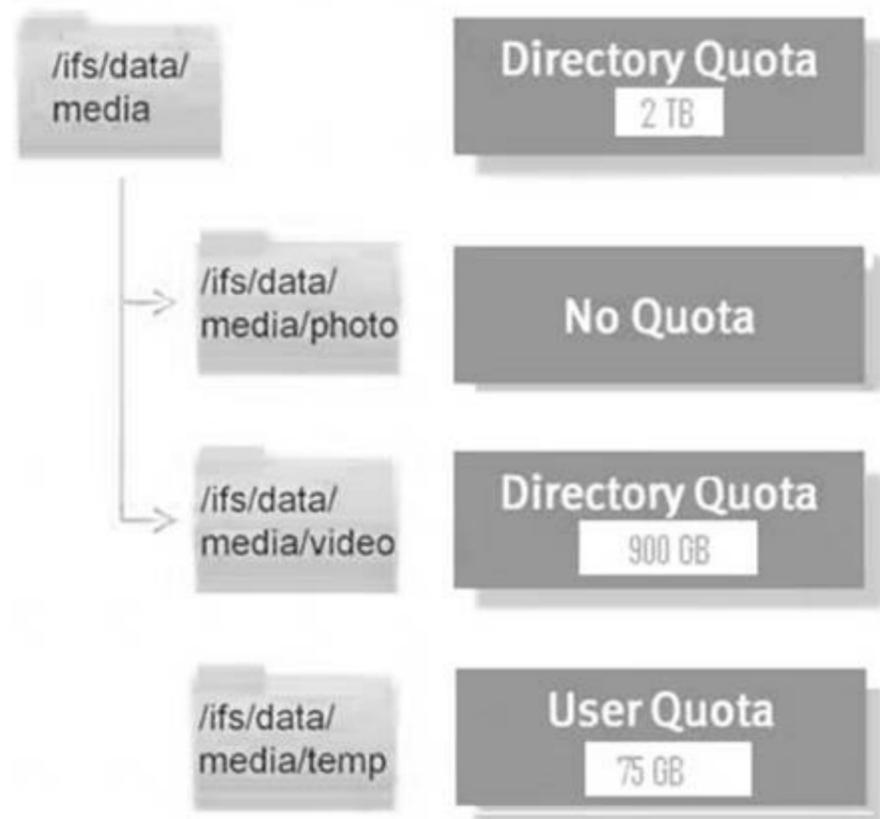
How is the journal protected in Gen 6 hardware?

- A. Identical copy is maintained on all nodes of the cluster
- B. Identical copy is maintained on both nodes of each node pair
- C. Each node has a mirrored M.2 vault
- D. Each node has a mirrored write cache

Answer: D

NEW QUESTION 372

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

NEW QUESTION 376

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

Answer: C

NEW QUESTION 380

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

Answer: A

NEW QUESTION 383

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: CF

NEW QUESTION 384

What is the overhead impact on the physical capacity when configuring data protection at +2:1 on a 6-node Isilon cluster?

- A. 1/2
- B. 1/4
- C. 1/5
- D. 1/6

Answer: C

NEW QUESTION 386

A customer is considering moving their NAS data over to Isilon systems. They want to know what limitations Isilon has regarding snapshot on the directory level. What explanation can be provided to the customer?

- A. Limit of 2048 snapshots per directory
- B. No limits on the number of snapshots per directory
- C. Limit of 2048 snapshots per cluster but not on the directory level
- D. Hard limit of 1024 snapshots per directory

Answer: D

NEW QUESTION 390

When conducting high-level interviews with stakeholders of a project, what are the key questions that should be asked?

- A. How much usable storage are you looking for?What client OS will access this storage?Which applications will access this storage?
- B. Which backup application is in use today?What is your change rate?How many clients will connect to the cluster?
- C. What does your network architecture look likeDo you have existing NAS infrastructure?Do you have 10Gb or 1GbWhich applications will access this storage?
- D. Who are the application owners?How much usable storage is needed?What applications will be accessing the storage?How many users are in your Active Directory?

Answer: A

NEW QUESTION 392

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

Answer: A

NEW QUESTION 393

A customer needs to consolidate 300 TB of home directory servers and shared file systems used by development and test groups. A key requirement is to prevent the systems from consuming all free capacity and impacting home directory content.

Which Isilon node configuration should be proposed?

- A. X-Series with SmartQuotas
- B. NL-Series with SmartQuotas
- C. S-Series with InsightIQ
- D. X-Series with SmartPools

Answer: A

NEW QUESTION 396

Your customer has an existing Isilon cluster comprised of five NL-Series nodes. They have a new project that will quadruple their current throughput requirements. Upon reviewing reports in InsightIQ, you see that the aggregate external network throughput is peaking at 600MB/s. The customer states that data is only active for the first 7 days, but they keep it indefinitely.

Which recommendation best supports their growth requirements?

- A. Add X-Series nodes to the cluster, and use SmartPools to migrate inactive data to the NL-Series nodes.
- B. Use the Isilon Sizing Tool to determine GNA requirements, and add NL-Series nodes with SSD to the cluster.
- C. Add a VNX Unified array for the new project, and use rsync to migrate data to the Isilon cluster for archiving.
- D. Add A-Series nodes to the cluster to boost combined network performance.

Answer: A

NEW QUESTION 400

-- Exhibit -

A European Sports TV network is considering Isilon for their Media Edit Storage for their editing workloads. They are also considering Isilon for near-line media archiving.

The network receives XDCAM HD footage which is loaded onto their existing Transcoding Storage platform. New footage that needs to be edited will be transferred from their Transcoding Storage platform to the proposed Media Edit Storage platform at the rate of ten simultaneous XDCAM HD files via FTP. Edited files will be transferred back to the Transcoding Storage platform at the rate of ten simultaneous XDCAM HD files via FTP.

The network currently has 15 Final Cut Pro edit stations, 15 Avid edit stations. Proxy software will be used to allow Isilon to act as the storage for the Final Cut Pro and Avid media. Three of those edit stations will be performing content compositing as needed.

The network expects 70 hours of new content per week, and 50 hours of edited content per week. They intend to keep the new and edited content on the proposed Media Edit Storage as a performance tier for 30 days. They would like to retain all new and edited footage proposed Media Edit Storage as a near-line tier for two years.

In addition to the current workloads, the network expects to implement a new Media Asset Management (MAM) solution and has requested the Isilon cluster be capable of supporting 120 MBps read and 120 MBps write to support the MAM requirements.

-- Exhibit -

Refer to the exhibit.

Codec / Compression	Resolution	Pixel		Aspect Ratio	Frame Rate	Audio Channels	Color Space	Color Sampling	Mbps	MBps	MiBps
		H	V								
ProRes 422 HQ 10 bit	4K	4096	2160	1.9:1	24	8	YCbCr	4:2:2	849	106	101
		3840	2160	16:9	24	8	YCbCr	4:2:2	797	100	95
	2K	2048	1556	2.35:1	24	8	YCbCr	4:2:2	312	39	37
		2048	1080	1.89:1	24	8	YCbCr	4:2:2	219	27	26
	HD	1920	1080	16:9	30	8	YCbCr	4:2:2	256	32	30
					25	8	YCbCr	4:2:2	215	27	26
		1280	720	16:9	60	8	YCbCr	4:2:2	255	32	30
	SD	720	576	4:3	25	4	YCbCr	4:2:2	75	9.3	9
					30	4	YCbCr	4:2:2	75	9.4	9
	ProRes 422 10 bit	4K	4096	2160	1.9:1	24	8	YCbCr	4:2:2	567	71
3840			2160	16:9	24	8	YCbCr	4:2:2	532	67	63
2K		2048	1556	2.35:1	24	8	YCbCr	4:2:2	210	26	25
		2048	1080	1.89:1	24	8	YCbCr	4:2:2	149	19	18
HD		1920	1080	16:9	30	8	YCbCr	4:2:2	173	22	21
					25	8	YCbCr	4:2:2	146	18	17
		1280	720	16:9	60	8	YCbCr	4:2:2	169	21	20
SD		720	576	4:3	25	4	YCbCr	4:2:2	51	6.4	6
					30	4	YCbCr	4:2:2	52	6.5	6
Sony HDCAM SR 10 Bit MPEG-4		HD	1920	1080	16:9	30	8	RGB	4:4:4	880	110
Sony XDCAM HD 8 Bit MPEG-2	HD	1920	1080	16:9	30	8	YCbCr	4:2:2	55	7	7
XAVC 10 Bit H.264	4K	4096	2160	1.9:1	60	8	YCbCr	4:2:2	319	40	38
		3840	2160	16:9	60	8	YCbCr	4:2:2	300	38	36
	2K	2048	1556	2.35:1	60	8	YCbCr	4:2:2	140	18	17
		2048	1080	1.89:1	60	8	YCbCr	4:2:2	100	13	12
	HD	1920	1080	16:9	60	8	YCbCr	4:2:2	100	13	12
50					8	YCbCr	4:2:2	85	11	10	
AVCHD 8 Bit H.264	HD	1920	1080	16:9	30	8	YCbCr	4:2:0	25	3.1	3
					25	8	YCbCr	4:2:0	22	2.8	3
		1280	720	16:9	60	8	YCbCr	4:2:0	19	2.4	2
					50	8	YCbCr	4:2:0	18	2.2	2
Broadcast MPEG-2 8 Bit	HD	1920	1080	16:9	30	2	YCbCr	4:2:0	19	2.4	2
					25	2	YCbCr	4:2:0	16	2.0	2
		1280	720	16:9	60	2	YCbCr	4:2:0	13	1.6	2
	SD	720	576	4:3	25	2	YCbCr	4:2:0	6	0.7	1
					30	2	YCbCr	4:2:0	6	0.7	1
		720	486	4:3	30	2	YCbCr	4:2:0	6	0.7	1

Based on the number of edit stations, and their intended use, what bandwidth requirements should be considered while sizing?

- A. Write Performance:70 MBps FTP sequential21 MBps NFS and/or SMB sequential120 MBps NFS and/or SMB randomRead Performance:70 MBps FTP sequential210 MBps NFS and/or SMB sequential120 MBps NFS and/or SMB random
- B. Write Performance:550 MBps FTP sequential275 MBps NFS and/or SMB sequential120 MBps NFS and/or SMB randomRead Performance:550 MBps FTP sequential1.6 GBps NFS and/or SMB sequential120 MBps NFS and/or SMB random
- C. Write Performance:21 MBps FTP sequential70 MBps NFS and/or SMB sequential120 MBps NFS and/or SMB randomRead Performance:210 MBps FTP sequential70 MBps NFS and/or SMB sequential120 MBps NFS and/or SMB random
- D. Write Performance:70 MBps FTP sequential210 MBps NFS and/or SMB sequential120 MBps NFS and/or SMB randomRead Performance:70 MBps FTP sequential21 MBps NFS and/or SMB sequential120 MBps NFS and/or SMB random

Answer: A

NEW QUESTION 402

What do you need to take into consideration when planning a job schedule?

- A. Any three other jobs can run at the same time and they can run in conjunction with restripe or mark job phases.
- B. Multiple restripe category job phases and one-mark category job phase can run at the same time.
- C. Up to three jobs can run at the same tim
- D. Multiple restripe or mark job phases can safely and securely run simultaneously without interfering with each other and without risk of data corruption.
- E. Up to three jobs can run at the same tim
- F. Multiple restripe or mark job phases cannot safely and securely run simultaneously without interfering with each other and without risk of data corruption.

Answer: A

NEW QUESTION 406

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