Exam Questions E20-555

Isilon Solutions and Design Specialist Exam for Technology Architects

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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
An Isilon cluster component has the following characteristics:
- Spans 3 - 40 nodes
- Logical grouping of drives
- Automatically assigned
- Intelligently distributes disks to manage performance
Which cluster component is described?

A. Disk pool
B. Node pool
C. Smart pool
D. SSD pool

Answer: A

NEW QUESTION 3
A customer has two data centers (Site A and Site B). There is an Isilon cluster in each data center and they use SyncIQ to replicate data between the two data centers.
You have been reviewing their disaster recovery plan and found the following:
- The policies specify that SyncIQ runs a replication job every 2 hours and that the job finishes within 1 hour.
- Three additional hours will be needed to get servers and the network redirected to work from Site
What is the Recovery Point Objective in this plan?

A. 2 Hours
B. 3 Hours
C. 4 Hours
D. 5 hours

Answer: B

NEW QUESTION 4
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

NEW QUESTION 5
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 6
You have been tasked with designing a solution for a company that wants to logically separate access to their Isilon storage by department. Each of their major internal departments currently uses different Active Directory authentication providers. In addition, they want to provide Isilon storage access to these departments while maintaining their authentication separation.
Which feature will provide this functionality?

A. Access Zones
B. Network Segmentation
C. Multi-Homing
D. VLAN Trunking

Answer: A

NEW QUESTION 7
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 8
If a file is 4 KB in size, how much space is consumed for file data when it is written to the Isilon cluster?

A. 4 KB
B. 8 KB
C. 16 KB
D. 32 KB

Answer: B

NEW QUESTION 9
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
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 10
Where does SmartCache stage its write cache?

A. SSD
B. DISK
C. NVRAM
D. DRAM

Answer: D

NEW QUESTION 11
Your customer has observed a degradation in response time while browsing for media files within the Production Media folder of the Isilon cluster. That directory now contains over five million files. It was confirmed that there are no network or edit station related causes.
What changes to the Isilon cluster will best accelerate the browsing performance?

A. Add Solid State Drives (SSDs) to the nodes
B. Add A-Series Performance Accelerator nodes
C. Upgrade node access to 10 Gbps
D. Upgrade RAM on the nodes

Answer: A

NEW QUESTION 15

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

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

Answer: D

NEW QUESTION 18
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 21
What is the relative latency of a cache hit to L1 cache compared to a hit to L2 cache in an Isilon cluster?

A. 2x
B. 5x
C. 10x
D. 25x

Answer: C

NEW QUESTION 26
What does Isilon OneFS use to re-write data when a disk read fails?

A. Dynamic Sector Repair
B. NVRAM
C. Isilon Data Integrity
D. CRC

Answer: A

NEW QUESTION 31
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 customer's 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

NEW QUESTION 35
What is the correct sequence of events in a SyncIQ failover procedure after a failure occurs in the source Isilon cluster?

Read-only restriction is removed from the SyncIQ domain for that policy	Step 1
Storage administrator runs `isi sync recovery allow-write` command on a SyncIQ policy	Step 2
Data under that policy is restored to the last-known-good snapshot	Step 3
Storage administartor redirects users to the target	Step 4
Failover job prevents further syncronizations to the target for that policy	Step 5

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Read-only restriction is removed from the SyncIQ domain for that policy	Read-only restriction is removed from the SyncIQ domain for that policy
Storage administrator runs `isi sync recovery allow-write` command on a SyncIQ policy	Storage administartor redirects users to the target
Data under that policy is restored to the last-known-good snapshot	Storage administrator runs `isi sync recovery allow-write` command on a SyncIQ policy
Storage administartor redirects users to the target	Failover job prevents further syncronizations to the target for that policy
Failover job prevents further syncronizations to the target for that policy	Data under that policy is restored to the last-known-good snapshot

NEW QUESTION 37
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 40
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 42
Which Isilon tool can be run from the cluster to display Isilon statistics such as CPU activity?

A. iperf
B. iostat
C. InsightIQ
D. MiTrend

Answer: C

Explanation:
InsightIQ 4.1 introduces a new report that displays statistics References:

NEW QUESTION 44
You have received a critical task that requires immediate analysis of system performance. Captured data will later be processed by MiTrend, but a current assessment is not available.
Which utility will quickly provide IOPS associated with reads and writes, CPU utilization, and I/O scheduler wait time?

A. tcpdump
B. iostat
C. Wireshark
D. NFSstat

Answer: B

NEW QUESTION 47
If Dynamic IP Address Allocation is being configured in Isilon SmartConnect, which policy setting needs to be determined?

A. Rebalance
B. Load Balancing
C. Static
D. Dynamic

Answer: A

NEW QUESTION 51
Which type of antivirus scan is unsupported by Isilon OneFS?

A. Individual files
B. Policy scan
C. MultiScan
D. On-access

Answer: C

NEW QUESTION 55
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 60
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 63
You are sizing an Isilon cluster for a new customer. Analyzing their workflow you determine that they have a large block random read workload.
What is the most important factor to consider when sizing this solution?

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

Answer: A

NEW QUESTION 66
In an Isilon environment, how is InsightIQ installed?

A. Deployed as a virtual appliance
B. Installed on a FreeBSD server
C. Deployed on a Windows 64-bit server
D. Installed on an Isilon cluster

Answer: A

NEW QUESTION 67
-- 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 -
What steps would you recommend to the IT Director to allow for collaboration between the engineering company and the manufacturing company?

A. Set up Access Zones on the Isilon cluster using Active Directory (AD) and NIS authentication.Create directories and apply user group permissions from AD and NIS for each collaboration team.
B. Repoint the engineering users to the Active Directory controllerAdd the users to the appropriate Active Directory security group.
C. Upload a collaboration user csv file into the cluster with usernames and passwords for the collaboration directory.
D. Create a new pool for use by the collaboration users.Set up Access Zones on the Isilon cluster using AD and NIS authentication.

Answer: A

NEW QUESTION 72
A customer has two data centers (Site A and Site B) and in each data center there is an Isilon cluster. They are replicating data between the sites using SyncIQ.
You have been reviewing their disaster recovery plan and found the following:
🔵 The policies specify that SyncIQ runs a replication job every four hours and that the job finishes within one hour.
🔵 Three additional hours will be needed to get servers and the network redirected to work from Site B.
What is the Recovery Point Objective in this plan?

A. 3 hours
B. 4 hours
C. 5 hours
D. 6 hours

Answer: B

NEW QUESTION 73
A customer has an Isilon cluster that they want to simplify a Hadoop workflow. The workflow analyzes large amounts of log data written to storage using FTP and results are viewed by Microsoft Windows clients?
How can this be achieved?

A. FTP, SMB, and HDFS NameNode and DataNode protocol support on the same file system to enable each workflow step to access data from the same location avoiding data migration.
B. SyncIQ to migrate the log data between an Isilon cluster and another Hadoop cluster, to retrieve results from the Hadoop cluster, and to store them in an SMB share.
C. SmartConnect to direct clients to an external Hadoop NameNode and to SMB shares so data ingest, analytics, and results phases are transparently directed.
D. FTP and SMB protocol support to provide log ingest and Windows clients; SmartPools will stub to HDFS helping to reduce the frequency of external data migration.

Answer: A

NEW QUESTION 78
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 82
Which block size is used by Isilon SyncIQ to transfer data?

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

Answer: D

NEW QUESTION 86
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 91
In OneFS, what is the largest number of disks in a subpool?

A. 234
B. 256
C. 468
D. 864

Answer: B

NEW QUESTION 94
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 99
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 102
How much space is consumed by a 4 KB file when the file data is written to the Isilon cluster?

A. 4 KB
B. 8 KB
C. 16 KB
D. 32 KB

Answer: B

NEW QUESTION 104
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 107
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 109
An Isilon customer has an environment supporting a wide range of different workloads. They want to assign clients to performance tiers based on the resources needed.
What can the customer use to meet this requirement?

A. SmartConnect Zones
B. Load Balancing
C. Client Connection Zone
D. SmartPools Advanced

Answer: A

NEW QUESTION 113
Which protocol is integrated with Isilon OneFS to provide on-access file functionality?

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

Answer: A

NEW QUESTION 115
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 119

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 123
When designing Isilon solutions, which issue should you pay special attention to?

A. Meet customer expectations
B. Create a workflow document
C. Conduct stakeholder interviews
D. Follow all SSD sizing rules

Answer: A

NEW QUESTION 124
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 65% utilized for their video surveillance operations.
They wish to achieve the following:
Upgrade from 1280 x 720 resolution, with a 15 days retention policy, to 2048 x 1536 resolution with a 30 days retention policy.
What is the minimum number of nodes of the same type will you need to add in order to meet the required changes and not exceed 70% raw capacity?

A. 6 nodes
B. 10 nodes
C. 14 nodes
D. 18 nodes

Answer: A

NEW QUESTION 127
If snapshots are configured for the InsightIQ datastore on Isilon and the datastore is reverted to a previous snapshot, what might be the result?

A. InsightIQ datastore cannot be reverted
B. InsightIQ database will have to be manually copied from the snapshot
C. InsightIQ datastore could be corrupted
D. InsightIQ will not recognize the older copy of the database

Answer: C

Explanation:
Do not use snapshots of the InsightIQ data store. If you revert a snapshot of the InsightIQ data store or modify the contents of the data store in any way, the InsightIQ data store might become corrupted.

NEW QUESTION 129
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 133
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 135

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 137
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
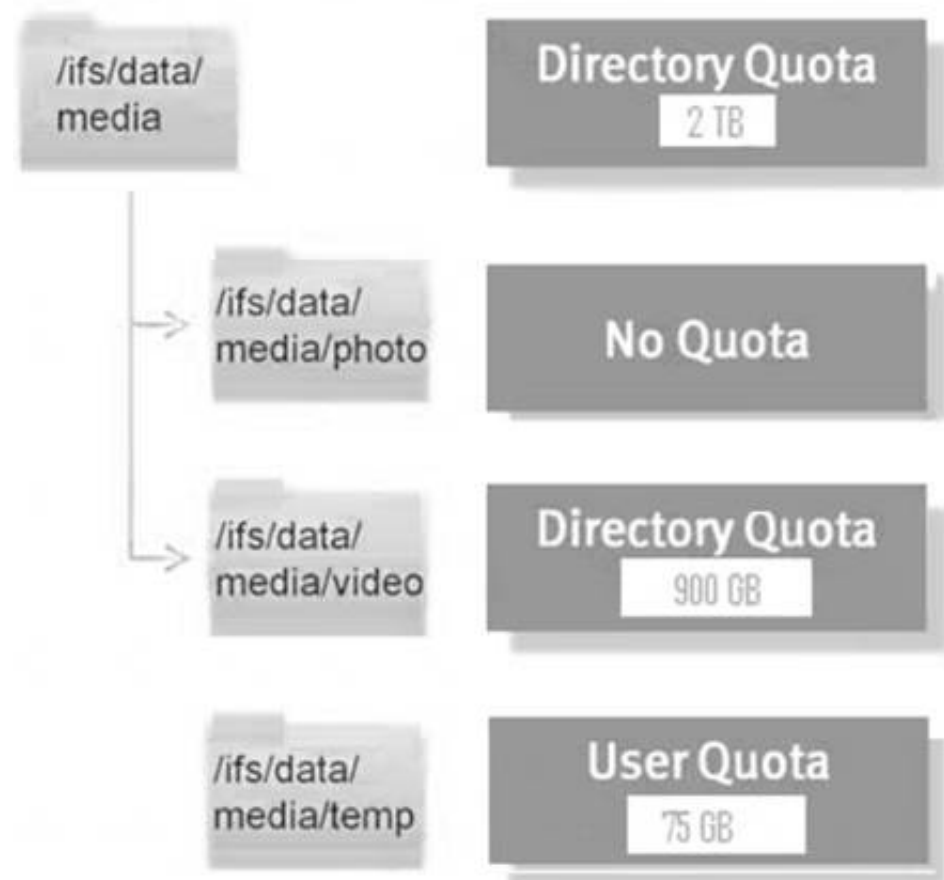
Answer: A

NEW QUESTION 141
Your customer's site uses an old X-Series cluster, and they are interested in consolidating their two primary workflows. iostat shows that one of the applications is sensitive to latency, while isi statistics indicates sensitivity to disk response times. There are approximately 1000 users accessing 70 TB of file data.
Which node type would you recommend?

A. S200
B. X400
C. X200
D. NL400

Answer: A

NEW QUESTION 143
Refer to the Exhibit.

What is represented by the information shown?

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.Directoryquota 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 145

A customer created eight SyncIQ policies on a 6-node Isilon cluster. The policies all start at midnight. The customer is experiencing issues where several jobs are paused while others continue to run. This is delaying the overall replication of data.
What is the most likely reason for the pausing of some of the SyncIQ jobs?

A. An Isilon cluster can only have five concurrent SyncIQ jobs running at the same time.
B. An Isilon cluster can only have one SyncIQ job running at any one time.
C. SyncIQ only allows one job per nod
D. This cluster can only run six SyncIQ jobs concurrently.
E. SyncIQ will stagger the start of all SyncIQ job
F. Jobs after the first job are delayed.

Answer: A

NEW QUESTION 149
How many impact policy levels are available when configuring Isilon jobs?

A. 2
B. 3
C. 4
D. 5

Answer: C

NEW QUESTION 151
What is a characteristic of predefined sets of privileges of OneFS built-in administrator roles?

A. Can be modified without limitation
B. Can be nested into other roles
C. Cannot be modified
D. Can be modified by selected users

Answer: C

Explanation:
OneFS includes built-in administrator roles with predefined sets of privileges that cannot be modified.

NEW QUESTION 155
A customer has two data centers (Site A and Site B).There is an Isilon cluster in each data center and they use SyncIQ to replicate data between the two data centers.
You have reviewed their disaster recovery plan and found the following:
● The policies specify that SyncIQ runs a replication job every 3 hours and that the job finishes within 1 hour.
● Three additional hours will be needed to get servers and the network redirected to work from Site B.
What is the Recovery Point Objective in this plan?

A. 2 Hours
B. 3 Hours
C. 4 Hours
D. 5 Hours

Answer: C

NEW QUESTION 157
Your customer purchased an Isilon cluster with eight X400 nodes for Home Directories. Your follow-up discussions have uncovered an opportunity to expand the cluster to support the Legal Department. As you prepare to complete the Workflow Profile Document, you meet with the customer to discuss data protection.
Which key areas should you address?

A. Default Cluster Protection LevelAdditional Directory Level ProtectionsSnapshots and Replication
B. WORM requirementsNetwork ports for replicationSnapshots for user restores
C. Default Cluster Protection LevelBackup Windows and ProcessesConcurrency of user access
D. Protocols (SMB, NFS, FTP, HTTP, HDFS)Authentication and Directory ServicesPerformance and Latency Concerns

Answer: A

NEW QUESTION 161
An Isilon customer wants the ability to provide low latency I/O for their files due to a workflowinvolving 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 163
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 164
An Isilon customer wants to have different snapshot policies and schedules on the same directory. Why is this possible on an Isilon cluster?

A. SnapshotIQ snaps at the directory level rather than the volume level
B. All snapshots are scheduled through the command line interface
C. A third-party product is used by SnapshotIQ to create different schedules and policies on a directory
D. SnapshotIQ snaps at the volume level rather than the directory level

Answer: A

NEW QUESTION 167
A customer is able to see some performance metrics in the Isilon OneFS dashboard or by using CLI. Other performance metrics will require InsightIQ.
What will require a licensed version of InsightIQ?

A. Capacity Trending
B. Cluster Throughput
C. CPU Usage
D. Active Client Connections

Answer: B

NEW QUESTION 169
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 174
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.
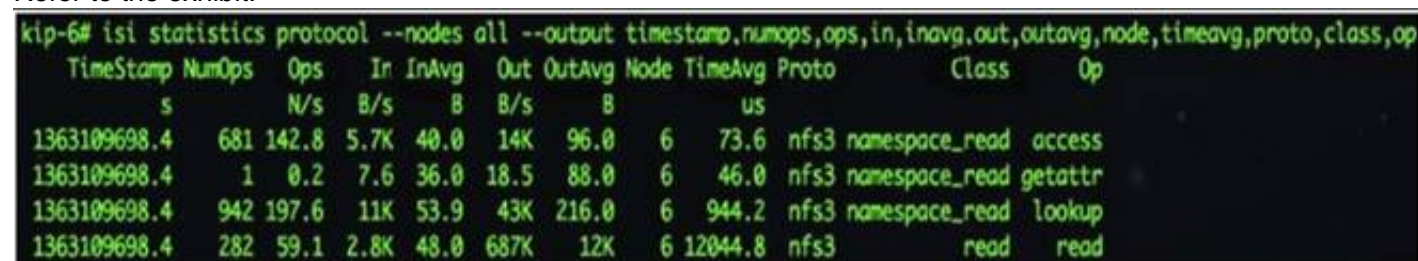They want to upgrade from 15 FPS (NTSC) in H.264 codec, with a 15 days retention policy to 30 FPS (NTSC) in H.264 codec, with a 30 days retention policy.
How many nodes of the same type will you need to add in order to meet the required changes and not exceed 70% raw capacity?

A. 8 nodes
B. 4 nodes
C. 12 nodes
D. 16 nodes

Answer: A

NEW QUESTION 179
Refer to the exhibit.

You are analyzing a customer's existing Isilon environment using isi statistics in order to expand the cluster. When examining the protocol subcommand, you see the output as shown in the exhibit.
What does the data tell you about the workload?

A. It is metadata intensive.
B. It is mostly sequential reads.
C. It uses large read requests.
D. It contains mostly random writes.

Answer: A

NEW QUESTION 183
Which Isilon product is recommended where low-latency and maximum performance is a critical factor?

A. X-Series
B. S-Series
C. SmartQuotas
D. NL-Series

Answer: B

NEW QUESTION 186
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 191
Your customer has several departments that want separate access to the cluster so they can use their individual authentication methods. Two of the departments will use NFS and two will use SMB to access the cluster.
What would you recommend?

A. Create two separate access zones for the SMB clients, and use the System zone for the NFS clients.
B. Create separate access zones for both the SMB and NFS clients.
C. Create two separate access zones for the NFS clients, and use the System zone for the SMB clients.
D. Have all clients access the System zone, and use RBAC to control authentication.

Answer: A

NEW QUESTION 192
Which Isilon OneFS protection level allows you to withstand two drive failures but no more than one complete node failure?

A. N+1
B. N+2
C. N+2:1
D. N+3:1

Answer: C

NEW QUESTION 194
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 196
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 198
A customer has grown 2 PB in the last year. The cluster performs well most times of the day, but occasionally during the day, the customer notices a decrease in performance. You have been told that 'tree-deletes' are taking too long and can only be run on weekends.
What would you recommend to speed up the 'tree-deletes'?

A. Add an SSD node tier for metadata to account for at least 2% of RAW capacity
B. Use an A100 node for added CPU performance to help with 'tree-deletes.'
C. Add 20% more nodes to the cluster to help with degraded performance.
D. Add an SSD tier for metadata, ensuring all nodes have SSDs.

Answer: A

NEW QUESTION 200

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 205
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 210
Which process is used to protect file system structures against corruption through 32-bit CRC checksums?

A. Media Scan
B. Isilon Data Integrity
C. File System Journal
D. Dynamic Sector Repair

Answer: B

NEW QUESTION 213
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 1Gbps.
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 218
Refer to the exhibit.

Codec / Compression	Resolution	H	V	Pixel Aspect Ratio	Frame Rate	Audio Channels	Color Space	Color Sampling	Mbps	MBps	MiBps
DPX 8 Bit	4K	4096	2160	1.9:1	24	8	RGB	4:4:4	6801	850	811
							YUV*	4:4:4	4535	567	541
		3840	2160	16:9	24	8	RGB	4:4:4	6377	797	760
							YUV*	4:4:4	4252	531	507
	2K	2048	1556	2.35:1	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
							YUV*	4:4:4	3402	425	406
		3840	2160	16:9	24	8	RGB	4:4:4	5103	638	608
							YUV*	4:4:4	3190	399	380
	2K	2048	1556	2.35:1	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
	2K	2048	1556	2.35:1	24	8	YCbCr	4:2:2	279	35	33
		2048	1080	1.89:1	24	8	YCbCr	4:2:2	196	25	23
	HD	1920	1080	16:9	30	8	YCbCr	4:2:2	229	29	27
					25	8	YCbCr	4:2:2	192	24	23
		1280	720	16:9	60	8	YCbCr	4:2:2	204	26	24
					50	8	YCbCr	4:2:2	172	21	20
DNxHD 145 8 Bit	4K	4096	2160	1.9:1	24	8	YCbCr	4:2:2	496	62	59
		3840	2160	16:9	24	8	YCbCr	4:2:2	465	58	55
	2K	2048	1556	2.35:1	24	8	YCbCr	4:2:2	185	23	22
		2048	1080	1.89:1	24	8	YCbCr	4:2:2	131	16	16
	HD	1920	1080	16:9	30	8	YCbCr	4:2:2	152	19	18
					25	8	YCbCr	4:2:2	128	16	15
		1280	720	16:9	60	8	YCbCr	4:2:2	136	17	16
					50	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
		720	486	4:3	30	4	YCbCr	4:2:2	63	7.8	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
	2K	2048	1556	2.35:1	24	8	RGB	4:4:4	465	58	55
		2048	1080	1.89:1	24	8	RGB	4:4:4	326	41	39
	HD	1920	1080	16:9	30	8	RGB	4:4:4	380	48	45
					25	8	RGB	4:4:4	319	40	38
		1280	720	16:9	60	8	RGB	4:4:4	381	48	45
					50	8	RGB	4:4:4	319	40	38
	SD	720	576	4:3	25	4	RGB	4:4:4	115	14	14
		720	486	4:3	30	4	RGB	4:4:4	117	15	14
	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 219
Where are file system changes first stored?

A. L1 Cache
B. Endurant Cache
C. L2 Cache
D. Journal

Answer: D

NEW QUESTION 224
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 227
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 231
A potential customer requires 800 TB 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 considering a solution from a competitor of EMC using two of the existing arrays and two new arrays.
Which Isilon capabilities would show a better ROI for the customer?

A. Isilon has 6%-12% less filesystem overhead than traditional clustered filesystem solutions.With a single filesystem and virtual capacity for drive and node failures, Isilon utilization is typically 80% or higher.Isilon utilization is typically 80% or higher due to use of a single filesystem and virtual capacity for drive and node failures.
B. With a single filesystem and virtual capacity for drive and node failures, Isilon utilization is typically 80% or higher.OneFS compression results in higher effective capacity within the cluster.Traditional clustered filesystems require 4%-10% internal overhead compared to Isilon virtual capacity.
C. Forward Error Correction overhead is 7% lower than traditional RAID.Isilon has 6%-12% less filesystem overhead than traditional clustered filesystem solutions.According to an IDC study, Isilon improves IT productivity by nearly 50% compared to traditional competitors.
D. Isilon has 15%-20% less overhead than traditional clustered filesystems.According to an IDC study, Isilon utilization is nearly 50% higher than traditional competitors.Isilon QOS headroom and multiple node pools ensures consistent performance up to 80% utilization.

Answer: A

NEW QUESTION 232
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 235
Which SmartConnect policies are used for workloads that have short lived connections such as HTTP and FTP?

A. Connection count and round robin
B. Round robin and CPU usage
C. Throughput and CPU usage
D. Throughput and connection count

Answer: C

NEW QUESTION 240
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 242
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 244
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 246
How many file systems are present in a 20-node Isilon X200 cluster?

A. 1
B. 2

C. 3
D. 4

Answer: A

NEW QUESTION 247
An Isilon customer is experiencing less than expected performance and poor space utilization with their cluster. They are using the X400 nodes with an N+2d:1n protection policy to host web server log data. Upon further analysis, the customer discovers that the web servers write log files 64KiB in size. The log files are then accessed by an analytics application for reporting purposes. What should be done to increase the write performance of the cluster?

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

Answer: C

NEW QUESTION 249
-- 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 253
A cluster has user quotas configured for user's 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

NEW QUESTION 256
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 100 TB of RAW capacity. They want to consolidate their PACS, file shares and home directories onto one cluster and require very fast enumeration of the directories. The following are the notes from meetings with the department heads.
Which is the best cluster configuration that meets the customer's requirements?

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

Answer: A

NEW QUESTION 261
A customer's cluster contains three X200 (24 GB RAM, 3 TB drives) nodes, and three X400 (48 GB RAM, 1 TB drives) nodes. All nodes are configured in a single pool. All data is protected at N+2. After upgrading OneFS to 7.0, the Isilon Web interface indicates that files are not fully protected.

What should be done to correct this situation?

A. Recreate the original pool using the Isilon Web interface
B. Add 24 GB RAM to each of the X200 nodes
C. Recreate the original pool using the command line interface
D. Add two X200 nodes and two X400 nodes

Answer: C

NEW QUESTION 262
An Isilon customer created a SyncIQ policy to replicate data from a primary cluster to an offsite secondary cluster. The primary cluster becomes unavailable, and the customer has completed a failover onto the secondary cluster.
The primary cluster becomes available again, so the customer would like to fail back data to the primary cluster. The failback process does not replicate data.
What is the most likely reason the failback policy does not replicate data to the primary cluster?

A. Clusters are not sharing an Infiniband switch
B. Secondary cluster has modified files on it
C. Original policy was for synchronization
D. Policy contains a SmartLock directory

Answer: C

NEW QUESTION 267
Which Isilon SmartLock version uses an NTP server to keep track of the set retention periods placed on a directory?

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

Answer: C

NEW QUESTION 270
You are involved with a Proof of Concept where the performance is not what you expect. What can you use to collect process stack information and a listing of process waiting on I/O?

A. netstat
B. tcpdump
C. isi statistics
D. isi_get_itrace

Answer: C

NEW QUESTION 273
What is the minimum size and the maximum size, respectively, of a single pre-Gen 6 node pool?

A. 3 and 144
B. 3 and 288
C. 4 and 144
D. 4 and 288

Answer: A

NEW QUESTION 276
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 277
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 282
The data access pattern on a Gen 6 Isilon cluster in Concurrency. What describes this workload?

A. Multiple stream workflows, no prefetching
B. Multiple clients accessing the same data; aggressive prefetching
C. Multiple clients accessing the same data; moderate prefetching
D. Single stream workflows, aggressive prefetching

Answer: D

NEW QUESTION 283
Which license is a prerequisite for enabling CloudPools?

A. SmartPools
B. FilePools
C. DiskPools
D. NodePools

Answer: A

NEW QUESTION 285
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 SyncIQ and cannot be altered
D. Controlled by SyncIQ and can be altered by the CLI

Answer: A

NEW QUESTION 289
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 292
At a minimum, how many connected and available nodes are required to maintain quorum in a 25-node cluster?

A. 10
B. 12
C. 13
D. 17

Answer: C

NEW QUESTION 293
How many layers are in the Isilon clustering architecture?

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

Answer: B

NEW QUESTION 297
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.
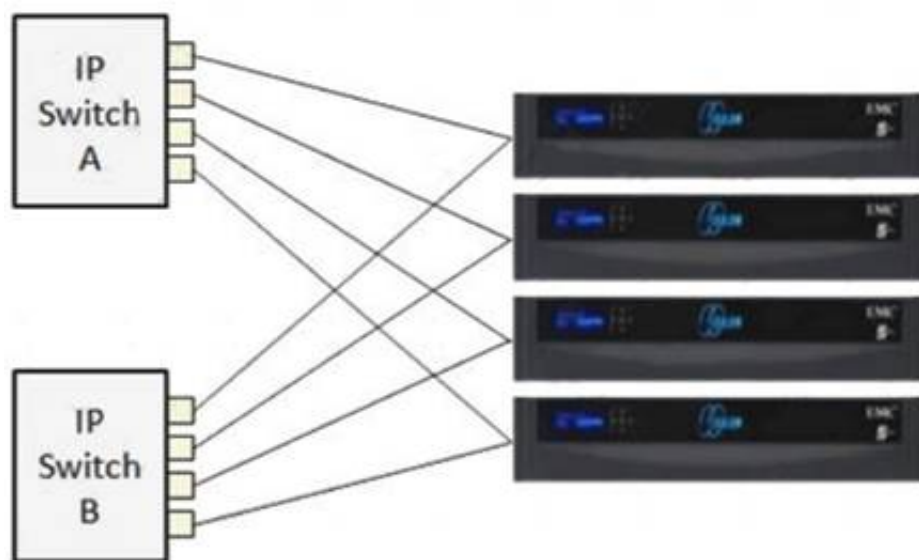Which nodes should be added to the cluster?

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 301
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 306
An Isilon customer wants to more effectively manage their storage and thereby achieve performance improvements. Which tool will help improve workflow performance on their cluster?

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

Answer: A

NEW QUESTION 307
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 308
A customer wants an N+3 protection level on their cluster. What is the minimum number of nodes they need to achieve that level of protection?

A. 3
B. 6
C. 7
D. 8

Answer: C

NEW QUESTION 309
Your customer manages a print media environment, consisting of three Isilon clusters, which are out of support. The customer would like to have access to new software releases and feature sets. You have been asked to perform a full discovery of the customer's environment.
The customer's current Isilon clusters are as follows:
"Cust" (12 x 12000X) serves as upload media storage for different tenants.
"Working" (8 x 12000X + 6 x X200) serves as a working zone for extraction to RAW and printing media from it.
"Archive" (16 x 72NL + Accelerator nodes) is used to store printed content for six months.
The customer operates in a Windows environment using SMB 2.0, two DNS servers per AD forest, three forest domains which are servicing three different environments. All servers are operating on a 1Gb network, three VLANs segregating the DEV/QA/PROD environments. Currently, there is no monitoring in place for performance measurement or optimization.
The requirements for this solution include:
○ Better ROI and TCO
○ Maintain same performance with possible improvements
○ Renew HW/SW and get inclusive support
○ Limit migrations
○ Reduce space, power, cooling consumption
○ Get new feature sets
○ If migration required, use Parallel copy (multiple nodes, multiple threads, multiple connections)

- Segregate tenant shares from other tenants
- Expand up to 1PB of total storage

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

A. HDFS, SmartQuotas, SnapshotIQ, InsightIQ
B. SmartPools, SnapshotIQ, SyncIQ, SmartLock
C. InsightIQ, SmartPools, SyncIQ, SmartConnect Advanced
D. SyncIQ, InsightIQ, SmartPools, Platform API

Answer: B

NEW QUESTION 311
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 314
A customer plans to deploy N+2:1 protection on a 5-node Isilon cluster. How much capacity will be used to store a 1024 KiB file?

A. 1024 KiB
B. 1280 KiB
C. 1792 KiB
D. 1920 KiB

Answer: B

NEW QUESTION 319
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 324
A customer environment is used for analytics on very large datasets. They are interested in using Isilon storage and Hadoop but are concerned about the costs.
How does Isilon change the scalability of a Hadoop environment?

A. JobTracker and TaskTracker are offloaded to the Isilon cluster
B. DataNode and TaskTracker are offloaded to the Isilon cluster
C. NameNode and DataNode are offloaded to the Isilon cluster
D. NameNode and JobTracker are offloaded to the Isilon cluster

Answer: C

NEW QUESTION 326
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 327
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