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
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 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
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 6
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 7
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 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
Which Isilon feature provides the ability to build a cluster using different node types and tiers to meet a customer's business objectives?

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

Answer: A

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

NEW QUESTION 10
At which level can retention periods be applied with Isilon SmartLock?

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

Answer: D

NEW QUESTION 10
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 11
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 15
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 18
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 23
A system administrator has identified a problem on the cluster and has opened a service request on support.emc.com. They initiate isi_gather_info but it is taking a long time to complete.
What can they do to speed up the completion of isi_gather_info for the next run?

A. Collect the required logs from the syslog server
B. Restart the CELOG daemon
C. Increase the speed of the network link
D. Exclude the specified tool(s) from being gathered

Answer: C

NEW QUESTION 24
-- 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	H	V	Pixel Aspect Ratio	Frame Rate	Audio Channels	Color Space	Color Sampling	Mbps	MBps	MiBps
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
					50	8	YCbCr	4:2:2	214	27	26
	SD	720	576	4:3	25	4	YCbCr	4:2:2	75	9.3	9
		720	486	4:3	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	68
		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
					50	8	YCbCr	4:2:2	143	18	17
	SD	720	576	4:3	25	4	YCbCr	4:2:2	51	6.4	6
		720	486	4:3	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	105
							YCbCr	4:2:2	440	55	52
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
					50	2	YCbCr	4:2:0	11	1.4	1
	SD	720	576	4:3	25	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 27
-- 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 -
Currently, the workflows are being limited by the network access to the Isilon cluster. What would result in the fastest possible network throughput?

A. Move analysis infrastructure to dedicated 10G network.
B. Add four A-Series accelerator nodes.
C. Use LACP to aggregate the network connections.
D. Implement jumbo frames.

Answer: A

NEW QUESTION 28
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 33
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 36
When configuring Isilon SmartPools policies, which values are allowed for file pool policy storage destinations?

A. Disk pools and node pools
B. Disk pools
C. SSD pools and tiers
D. Node pools, tiers, and anywhere

Answer: A

NEW QUESTION 39
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 43
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 45
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 49
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 52
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 55
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 59
A potential customer has 540TB Raw capacity of NetApp running in ONTAP 7-Mode. They are willing to let you gather some workload data. Their authentication sources are LDAP and Active Directory. Their users are 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 tool(s) would you use next to complete your sizing?

A. MiTrend WPA, Autosupport, and PerfCollect
B. Isilon Cluster Sizing Tool
C. Wireshark, isi statistics, and iostat
D. Isilon Insight IQ, OnCommand Insight, and nfsstat

Answer: A

NEW QUESTION 64
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 67
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 68
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 71
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 75
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 77
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 78
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 80
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 85
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.
What would be the best recommendation to the customer for the workflow of Hadoop with Isilon?

A. Copy the CDRs from the source to an Isilon cluster with NFS, then use Hadoop to analyze the information directly over HDFS
B. Write the CDRs directly to an Isilon cluster with an NFS mount, then use Hadoop to analyze theinformation directly over HDFS
C. Copy the CDRs from the source to an Isilon cluster with NFS, then ingest the information into Hadoop for analysis
D. Write the CDRs directly to an Isilon cluster with an NFS mount, then ingest the information into Hadoop with NFS then analyze

Answer: C

NEW QUESTION 88
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 89
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 92
Your customer has an existing Isilon cluster with seven X200 nodes. The cluster is used to store home directories and departmental shared folders. They are planning to deploy a new application that generates small block, synchronous writes.
Which OneFS 7 capability can help reduce latency for the new workload?

A. Endurant Cache
B. L2 Cache
C. Solid State Drives
D. Prefetcher

Answer: A

NEW QUESTION 95
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 98
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 102
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 107
How many impact policy levels are available when configuring Isilon jobs?

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

Answer: C

NEW QUESTION 112
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 117
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 122
-- 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 AdvancedSmartQuotasSyncIQInsightIQSmartPools
C. SnapshotIQSmartQuotasSyncplicity EESyncIQInsightIQSmartPools
D. SnapshotIQSmartQuotasSmartLockSyncIQInsightIQ

Answer: A

NEW QUESTION 125
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 127
Where does Endurant Cache stage its write cache?

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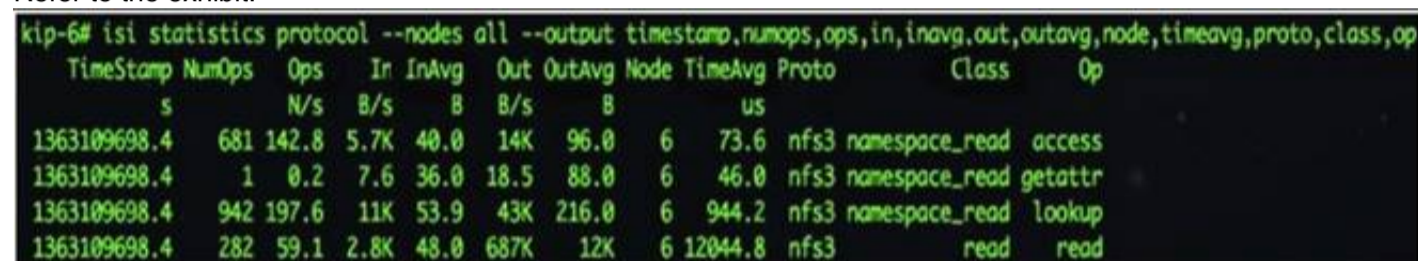B. DISK
C. NVRAM
D. DRAM

Answer: B

NEW QUESTION 131
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 134
Refer to the exhibit.


```
kip-6# isi statistics protocol --nodes all --output timestamp,numops,ops,in,inavg,out,outavg,node,timeavg,proto,class,op
   TimeStamp NumOps   Ops   In InAvg  Out OutAvg Node TimeAvg Proto      Class     Op
           s          N/s  B/s    B  B/s     B            us
1363109698.4   681 142.8 5.7K  40.0   14K  96.0    6   73.6 nfs3 namespace_read  access
1363109698.4     1   0.2  7.6  36.0  18.5  88.0    6   46.0 nfs3 namespace_read  getattr
1363109698.4   942 197.6  11K  53.9   43K 216.0    6  944.2 nfs3 namespace_read  lookup
1363109698.4   282  59.1 2.8K  48.0  687K   12K    6 12044.8 nfs3            read  read
```

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 139
A potential customer is considering replacing a four year old, Linux-based NFS server with 40TB of usable capacity. The existing system supports home directories, an internal website, and a content repository for the customer's content management system. The customer is concerned about performance of any new solution because they expect to double workload in the content management system.
What tools can be used to collect performance data needed to size the new solution?

A. Iostat and nfsstat
B. Perfmon and sysstat
C. Isi statistics and Wireshark
D. Syslog and vmstat

Answer: A

NEW QUESTION 140
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 141
There is a need to carry out a tech refresh of an Isilon cluster. Old nodes must be removed because of space constrains 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 modes into the cluster and migrate using a host-based utility

Answer: C

NEW QUESTION 146
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 150
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 154
Where are file system changes first stored?

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

Answer: D

NEW QUESTION 159
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 163
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 166
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 171
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 172
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 173
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 176
A customer is having problems writing data to their Isilon cluster. You have checked all network settings and authentication sources. No errors are reported from the cluster. The customer runs tcpdump and sends the results to you.
Now that you have the output, which tool would you use to open the results file?

A. IOZone
B. Wireshark
C. MiTrend
D. Iometer

Answer: A

NEW QUESTION 180
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 185
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 190
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 194
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 198
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 203
What key considerations should be kept in mind when designing a 300TB solution?

A. Workflow managementDefining class of serviceTime of day servicesRPO and RTOData retention and backup
B. Defining class of serviceTime of day servicesROI and TCOData retention and backup
C. SmartPoolsSmartconnectSnapshotsSpace for snapshots
D. Always include 2% SSDSmartPoolsSmartconnectSnapshotsInsightIQ

Answer: A

NEW QUESTION 206
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 211
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 216
Which license is a prerequisite for enabling CloudPools?

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

Answer: A

NEW QUESTION 220
How many layers are in the Isilon clustering architecture?

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

Answer: B

NEW QUESTION 224
There is a requirement to use dynamic link aggregation to maximize throughput and resiliency on a new Isilon cluster servicing SMB and NFS data. What is the recommended configuration for the physical network interfaces?

A. FEC
B. Round robin
C. Active/passive failover
D. LACP

Answer: C

NEW QUESTION 228
-- 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 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 232
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 233

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 238

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 240

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 245

A customer has a 7-node Isilon cluster configured with N+2:1 protection. How many nodes can be offline with the data accessible and fully writeable?

A. 1
B. 2
C. 3
D. 0; all nodes must be online

Answer: A

NEW QUESTION 247

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 249

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 254
What determines how a user is directed to the correct secure multi-tenancy access zones?

A. External protocols
B. lsassd daemon
C. External providers
D. Incoming IP

Answer: C

NEW QUESTION 257
When a client requests a file to read from an Isilon cluster, in which order does the read operation access the hardware in a node?

A. Endurant Cache, L1 cache, disk
B. L2 cache, L1 cache, disk
C. Disk, L2 cache, Endurant Cache
D. L1 cache, L2 cache, disk

Answer: C

NEW QUESTION 259
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 262
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 267
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 272
Refer to the exhibit.

NFSv3 protocol breakdown

Which tool was used to create this output and what is the most telling characteristic?

A. nfsstat and write-intensive access
B. iostat and write-intensive access
C. Read-intensive access and nfsstat
D. isi_netlogger and moderate metadata read operations

Answer: A

NEW QUESTION 275
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 276
-- 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	H	V	Pixel Aspect Ratio	Frame Rate	Audio Channels	Color Space	Color Sampling	Mbps	MBps	MiBps
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
					50	8	YCbCr	4:2:2	214	27	26
	SD	720	576	4:3	25	4	YCbCr	4:2:2	75	9.3	9
		720	486	4:3	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	68
		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
					50	8	YCbCr	4:2:2	143	18	17
	SD	720	576	4:3	25	4	YCbCr	4:2:2	51	6.4	6
		720	486	4:3	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	105
							YCbCr	4:2:2	440	55	52
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
					50	2	YCbCr	4:2:0	11	1.4	1
	SD	720	576	4:3	25	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 NFSand/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 277
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