

DEE-1421 Dumps

Expert - Isilon Solutions

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NEW QUESTION 1

A company uses the Dell EMC Isilon cluster's A200 nodes for short-term archiving of digitized film. Historical and trending information shows that the cluster capacity will reach 90% full in 60 days. To avoid the need to purchase additional A200 nodes, the company requires a solution that archives data not accessed for 18 months to a more cost-effective platform. The long-term archive data must be online and accessible. Some performance loss is acceptable. Which IT strategy provides a long-term solution that meets the requirements?

- A. Use a CloudPools policy to move the target date to an ECS-powered cloud
- B. Use NDMP to backup to disk using compression and deduplication
- C. Use SyncIQ to replicate the archive to the H600 nodes on the secondary cluster
- D. Use data deduplication on archived data not accessed within 180 days

Answer: B

NEW QUESTION 2

A company is planning to add eight additional nodes to their existing 4-node Dell EMC Isilon cluster. If the administrator plans to add all eight nodes at the same time without causing any outage, what is the result of this action?

- A. OneFS will not proceed with the addition
- B. All nodes will be added without errors
- C. Quorum will be lost
- D. All nodes will be added with errors

Answer: B

NEW QUESTION 3

The DobiMigrate used to migrate data from a third-party platform to a Dell EMC Isilon cluster less than 50 GB of NFS, SMB, and multi-protocol data will be migrated. What are the minimum requirements for the migration?

- A. Core server and no proxy servers
- B. Core server and one proxy server
- C. Core server and two proxy servers
- D. Core server and three proxy servers

Answer: C

NEW QUESTION 4

A company's HPC environment is using Dell EMC Isilon Gen 6 nodes. They have additional throughput requirements and have asked for your recommendations. The environment consists of two subnets:

- Mgmt-subnet: 1x1-GigE interface in the "mgmt-pool" for management traffic on a VLAN-tagged management network in an Isilon default System Access zone.
- Data-subnet: 2x10-GigE aggregated interfaces in the "data-pool" for data traffic on a VLAN-tagged data network in an Isilon user-defined data Access Zone

Which recommendation should be provided?

- A. Remove VLAN tagging from the network
- B. Move the data pool into the System Access zone
- C. Use different subnets for management and data traffic
- D. Use only one subnet and pool for both the management and data traffic

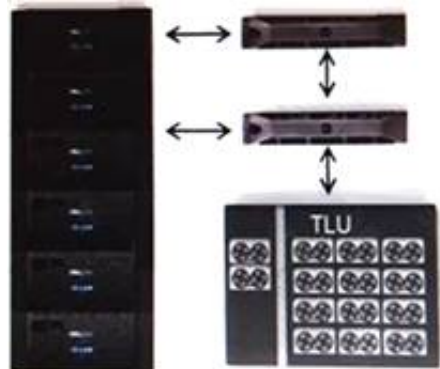
Answer: C

NEW QUESTION 5

SPECIAL INSTRUCTIONS

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When displaying a question, you can easily review the related case study by clicking on the "Review Case Study" icon shown below:



Case Study 5— Refer to the Exhibit.

Backing up data from a Dell EMC Isilon cluster exceeds the company's backup window. Because the company has a large amount of data with a continuous high growth rate, they want to change their backup strategy. The Gen 6 Isilon cluster consists of 24 nodes. Their current backup strategy is an NDMP three-way backup performing weekly full backups to tape and incremental backups each night. The strategy uses Dell EMC NetWorker. The DMA uses Include paths to specify what data to backup. All data on the cluster must remain accessible.

The company's IT team is now looking for a method to increase the performance of their backups. After some investigations, you notice that the backup job quiesces the file system. This is creating lock contention issues on open files and not allowing users full access to data when the backup job runs.

What advice should be provided to the team to eliminate lock contention and allow full access to users?

- A. Enhance the backup strategy using snapshots for backups
- B. Add A100 Backup Accelerators and configure for three-way NDMP
- C. Stop using an NDMP-based backup strategy

D. Create a cron job to remove alllocks before each backup

Answer: B

NEW QUESTION 6

A Dell EMC Isilon administrator has set up security on a share as shown in the exhibit Users in the group entitled "domain users"* should only be allowed read access to the share.

```
* Name
test

Description
No value

*Path
/ifs/test

Home Directory Provisioning
Path variables will not be expanded
Directories will not be automatically created

Continuous Availability
Disabled

Members
ISILON\sudent is not a root with full control
Everyone is not a root with read control
```

```
bos-cluster-1 # ls -lde /ifs/test
drwxrwx--- + 3 root wheel 47 Jul 13 16:36 /ifs/test
OWNER: user:root
GROUP: group:wheel
0: group:ISILON\domain users deny dir_gen write
1: user:ISILON\student allow dir_gen_all, object_inherit, container_inherit

2: user:ISILON\administrator allow dir_gen_all, object_inherit, container_inherit

3: user:root allow dir_gen_read, dir_gen_read, dir_gen_write, dir_gen_execute, std_write_dac, delete_child

4: group:wheel allow dir_gen_read, dir_gen_execute

bos-cluster-1#
```

Which user or group is able to only read from the share called "test"?

- A. student only
- B. everyone
- C. domain users
- D. root only

Answer: C

NEW QUESTION 7

You are assisting a company in planning for a Dell EMC Isilon disaster recovery sites. One of the company's concerns is the time that is needed for the initial synchronization between the primary and disaster recovery sites. What will help address this concern?

- A. After creating the policies, use the "assess sync" functionality
- B. After creating the policies, start the job and observe how much time it takes
- C. Time cannot be estimated due to many factors such as the cluster workload
- D. Use a third-party tool to estimate the time based on the data and the bandwidth available

Answer: B

NEW QUESTION 8

An administrator wants to increase network throughput for individual UNIX client when accessing on a Dell EMC Isilon Gen cluster. The administrator has configured node interface to use LACP and has seen no increase in performance? Why is there no increase in client-to-cluster network performance?

- A. Main purpose for LACP is to provide link redundancy
- B. Network switch is using an incompatible version of LACP
- C. Latency may occur as LACP requires extra CPU cycles
- D. LACP increases performance for only the SMB protocol

Answer: B

NEW QUESTION 9

A company has a cluster with twosubnets. The first subnet has 1GbE interfaces dedicated for management and the second subnet has 10GG interfaces dedicated for handling all data access. When the cluster started serving the prediction environment. Poor performance was observed while the data is accessed through the data subnet. White troubleshooting the network the administrator discovered that the return traffic is going through the management network. Which recommended solution will rescue this issue?

- A. Configure static routes for both subnets
- B. Enable source-based touting
- C. Enable destination based routing with static routes
- D. Change the gateway priorities

Answer: D

NEW QUESTION 10

A company has a Dell EMC Isilon Gen 5 cluster with SSDs in each node. The administrator notices that L3 Cache is enabled on the cluster. However, the administrator does not notice any performance increase for the read I/Os. After further investigations, the administrator discovers that all read I/Os are more than 128K chunks.

Which recommendation should be provided to improve the read performance?

- A. Enable Global Name Space acceleration in addition to L3 Cache
- B. Change theSSD strategy to "data on SSD"
- C. Disable L3 Cacheand change the SSD strategy to 'metadata-road acceleration"
- D. Add one more SSD of equal capacity to each node

Answer: C

NEW QUESTION 10

A company is planning to replicate a dataset to a newly implement Dell EMC Isilon cluster. SyncIQ will used from the source to the target cluster. The company's system administrator wants to know how long the initial synchronization will take seeding. The administrator provides the following information:

- 🔵 Link speed between clusters is 1 Gb/s
- 🔵 Link speed efficiency is 85%
- 🔵 SyncIQ domain sue is 125 TB

If no SynctQ performance rules are set, what is the estimated number of days?

- A. 10
- B. 12
- C. 14
- D. 16

Answer: A

NEW QUESTION 13

A company has three Doll EMC Isilon X200 nodes and needs to configure two Subnets on the cluster. The productionsubnet willonlyme a 10 GgE-1 port from each subnet will use both ext-1and exl-2 ports on each node.The company will access each subnet with its SmartConnectzone name

Given that the second subnet is isolated with no route to the DNS server, how many IP addresses are needed for each subnet lo accommodate the requirements?

- A. 3 for production and 7 for isolated
- B. 4 for production and 6 for sorted
- C. 4 for production and 7 for isolated
- D. 6 for production and 4 for isolated

Answer: D

NEW QUESTION 17

An administrator is investigating the performance of one of their Dell EMC Isilon clusters. Using theisi statistics drivecommand, the performance of the first five drives is shown.

Based on the exhibit, what represents the status of the drives?

isi statistics drive --nodes all --sort TimeInq,Queued head -n 30									
Drive	Type	OpsIn	BytesIn	OpsOut	BytesOut	TimeAvg	TimeInQ	Queued	Busy
1:11	SATA	219.8	2.0M	19.6	265K	0.1	585.2	86.4	97.2
3:12	SATA	220.8	1.9M	12.8	262K	0.1	504.9	78.5	100.0
1:12	SATA	229.4	2.1M	13.6	270K	0.1	504.3	65.5	97.6
2:12	SATA	222.0	2.1M	13.0	262K	0.1	471.8	60.4	100.0

- A. Drives operate well within their estimated IOPS limits
- B. I/O latency is approximately half a millisecond
- C. Drives exceed their estimated IOPS limits
- D. I/Os are not queuing due to high latency

Answer: A

NEW QUESTION 20

A company has 7 PB of PACS archived data on their Dell EMC Isilon cluster. The PACS application currently creates and stores large containers of small files. Based on local healthcare regulation changes, the company can no longer use large containers of small files. As a result, the company wants to know if Isilon can support the new regulatory PACS requirement while maximizing the storage capacity for small files. Which licensed feature should be activated?

- A. PACS
- B. SFSE
- C. SmartPools
- D. SmartQuota

Answer: C

NEW QUESTION 25

A company is adding a 48-node A2000 with 10 TB HDDs for deep archival data to their existing Dell EMC cluster. The existing consists of a 10-node x210 and an 8-node NL410. What is the minimum recommended protection settings for the A2000?

- A. N:3d:1n
- B. N+4n
- C. N+4d1n
- D. N+4d:2n

Answer: D

NEW QUESTION 27

Case Study 4

A company is experiencing a noticeable decrease in performance when accessing data on their Dell EMC Isilon cluster. The cluster hosts Microsoft Windows home directories and general purpose file shares. In addition, a file pool policy moves data that has not been modified in six months to an archive tier. The administrator wants your assistance in understanding the reason for the slow data access. The number of users accessing the cluster has not changed. The administrator has shared the following baseline metrics. The outputs were captured from a performance- acceptable time frame.

Trace route shows:

-3 hops between clients and the cluster

-Average latency is 3 ms Iperf shows:

-940 Mb/s average bandwidth

-0.05 ms average jitter

Netstat on the local network shows:

-0.05% average re-transmission rate Hostcache list:

-20 ms average roundtrip time across all clients

The administrator shows you the following iperf output

890 Mb/s average bandwidth

96.8 ms average jitter

Based on the output, what information should be provided to the administrator?

- A. Amount of jitter is an indication of network congestion
- B. Numbers remain within the recommended range
- C. Amount of jitter is in an acceptable range
- D. Lower than average bandwidth needs to be investigated

Answer: D

NEW QUESTION 32

You have just configured a Dell EMC Isilon cluster. One of the remaining tasks is to enable alert notification. The cluster is on a network segment behind a firewall for security. You have determined which node is the CELOG master and have enabled connectivity between it and the ESRS gateway.

Testing shows that alerts were working for several days but have suddenly stopped. Which action is required to resolve this issue?

- A. Edit and enable the Alert Channel for ConnectEMC
- B. Enable TCP port 443 between all nodes and the ESRS gateway
- C. Enable TCP port 25 Between all nodes and the SMTP server
- D. Ensure only the first cluster node is in the 'allowed list' in Work Channel settings

Answer: A

NEW QUESTION 37

A company has a Dell EMC Isilon cluster that will be used for a large amount of client requests. SmartConnect has been configured to help load balance the clients across the cluster. How does SmartConnect help the load balancing?

- A. Dynamically updating changes to DNS
- B. Caching lookup requests
- C. Forwarding DNS requests
- D. Directing the connections to different nodes

Answer: D

NEW QUESTION 39

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-Average latency is 3 ms Iperf shows:

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-005 ms average jitter

Netstat on the local network shows:

-05% average re-transmission rate Hostcache list:

-20 ms average roundtrip time across all clients

The administrator shows you the following traceroute output

6 hops between clients and the cluster

Average latency is 84 ms

Based on the output, what information should be provided the administrator?

- A. Number of hops and average latency is acceptable for the workflow
- B. Number of hops may indicate a weakness in the network model
- C. Numbers indicate a significant increase in client connections
- D. Average latency indicates excessive deadlock events

Answer: A

NEW QUESTION 40

Case Study 1

A company has several independent business units that operate globally. The company has consolidated its IT infrastructure services and operations. Common infrastructural services which include IPAM, DNS, NTP, DHCP, and SMTP have been consolidated. The company has complimented its infrastructure development by investing in Dell EMC Isilon clusters to host its user's home and group directories and for compliance archival purposes required by individual business units.

The IT operations are located in India and the United States with its primary data center facilities co-located between New York and Texas. The company has a total of 60 AD forests:

1 main domain

55 domains have one-way trust relationships with the main domain

An additional 4 domains do not have any trust relationship with no future plans of establishing trust relationships with the other domains.

Users of different AD domains use different FQDN to access their corresponding file services. Additionally, the company does not plan to consolidate the AD domains and each domain uses a different IP subnet. The users of the domains with no trust relationships have a compliance archival requirement. The company wants to all data to be replicated between New York and Texas.

What is the minimum number of groupnets required?

- A. 1
- B. 2
- C. 5
- D. 9

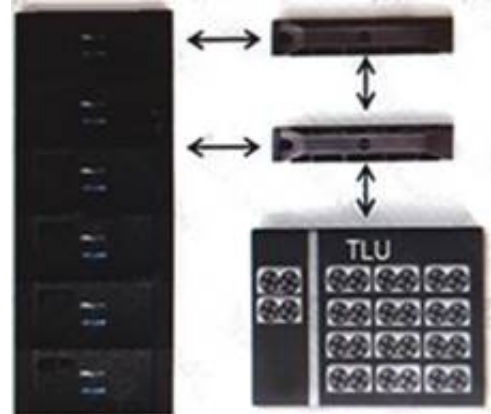
Answer: D

NEW QUESTION 41

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Their current backup strategy is an NDMP three-way backup performing weekly full backups to tape and incremental backups each night. The strategy uses Dell EMC NetWorker. The DMA uses Include paths to specify what data to backup. All data on the cluster must remain accessible.

The company's IT team is now looking for a method to increase the performance of their backups. After some investigation, you notice that the backup job targets two paths. This could be the cause of the lengthy backup times.

What advice should be provided to the team?

- A. Exclude the largest datasets from the backup job
- B. Add A100 Backup Accelerators and configure for two-way NDMP
- C. Create more parallel streams to utilize multi-stream NDMP backups.
- D. Change the backup strategy to token-based backups.

Answer: C

NEW QUESTION 45

A Dell EMC Isilon cluster is configured with multiple 10Gb connections. Clients connect to the cluster using high speed links through a routed network. The cluster is configured with SmartConnect zones and serves NFSv3 client Network traffic and speeds appear steady. However, the administrator wants to ensure the cluster network performance is optimal.

What can help optimize network performance in this environment?

- A. Configuring link aggregation
- B. Decreasing the network buffers
- C. Creating a dynamic SmartConnect zone
- D. Setting the network ports to autodetect

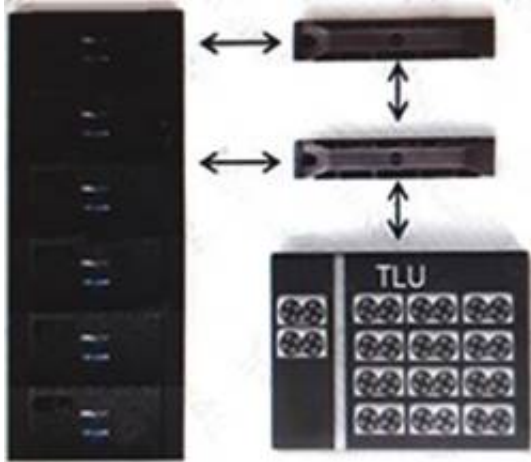
Answer: A

NEW QUESTION 46

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The company's IT team is now looking for a method to increase the performance of their backups. After some investigations, you notice that the backup job quiesces the file system. This is creating lock contention issues on open files and not allowing users full access to data when the backup job runs.

What advice should be provided to the team to eliminate lock contention and allow full access to users?

- A. Add A100 Backup Accelerators and configure for two-way NDMP
- B. Change the backup strategy to token-based backups
- C. Exclude the target datasets from the backup job
- D. Create more parallel streams to utilize multi-stream NDMP backups

Answer: A

NEW QUESTION 47

You are working with a company to migrate from a Microsoft Windows file server to a Dell EMC Isilon cluster using the account 'admin1' in the 'Domain Admins' group. When opening a directory, you receive an error message stating 'permission denied'. You check the permissions and see that Domain Users are denied. Domain Admin has Full Control, and admin1 has read permission. Why is the access denied?

- A. Deny ACE entry is listed first
- B. admin1 is a member of the Domain Admin group
- C. admin1 is not the owner of the directory
- D. admin1 only has read permission

Answer: D

NEW QUESTION 48

A company has purchased a new Dell EMC Isilon cluster as a disaster recovery solution and plans to use SyncIQ. SBR is not currently enabled. The systems administrator has asked for advice about how to configure the network connectivity for the replication traffic.

What are Dell EMC recommendations for a replication network configuration?

- A. Create a separate replication subnet. Do not configure a static route for the other side.
- B. Create a separate replication subnet. Configure a gateway for the subnet.
- C. Create a separate replication subnet. Do not configure a gateway for the subnet.
- D. Configure a gateway for the replication subnet. Configure a static route for the other side.

Answer: A

NEW QUESTION 52

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