

DUMPS ARENA

Expert - Isilon Solutions Exam

EMC DEE-1421

Version Demo

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QUESTION NO: 1

A Dell EMC Isilon administrator wants to know which workloads benefit from using L3 Cache. Which type of workloads will address the administrator's inquiry?

- A. Streaming only
- B. Random
- C. Sequential and streaming
- D. Sequential only

ANSWER: C**Explanation:**

Reference: <https://community.emc.com/docs/DOC-44958>

QUESTION NO: 2

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

ANSWER: D**QUESTION NO: 3****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

-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 output from the netstat command:

- 32366653 data packets (35556615947 bytes)
- 8010 data packets (9525723 bytes) re-transmitted

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

- A. Re-transmission rates have no impact on performance
- B. Re-transmission rate exceeds recommendations
- C. Re-transmission rate is in the acceptable range
- D. Change in the re-transmission rate indicates an issue

ANSWER: C

QUESTION NO: 4

A company has a cluster with two subnets. The first subnet has 1 GbE interfaces dedicated for management and the second subnet has 10GbE interfaces dedicated for handling all data access. When the cluster started serving the production environment, poor performance was observed while the data is accesses through the data subnet. While troubleshooting the network, the administrator discovered that the return traffic is going through the management network.

Which recommended solution will resolve this issue?

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

ANSWER: A

QUESTION NO: 5

A company is adding a 48-node A2000 with 10 TB HDDs for deep archival data to their existing Dell EMC Isilon cluster. The existing cluster consists of a 10-node X210 and an 8-node NL410. What is the minimum recommended protection setting required for the A2000?

- A. N+3d:1n1d
- B. N+4n
- C. N+4d:1n
- D. N+4d:2n

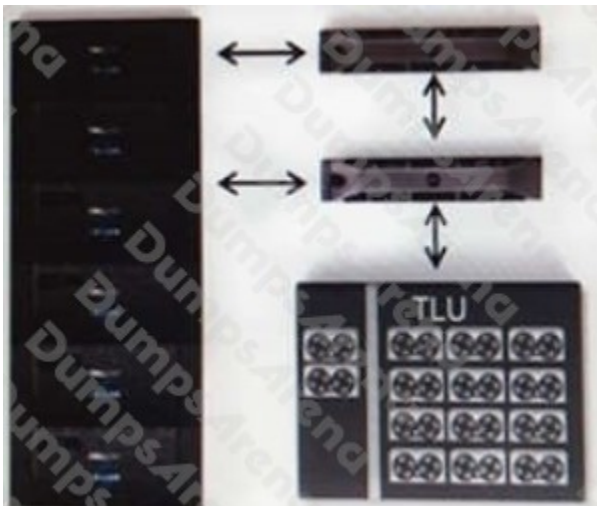
ANSWER: D**Explanation:**

Reference: <https://www.dell EMC.com/resources/en-us/asset/white-papers/products/storage/h10588-isilon-data-availability-protection-wp.pdf>

QUESTION NO: 6**SPECIAL INSTRUCTIONS**

The remaining Part1 questions are associated with four case studies that describe various environments or settings. Each case study appears on its own display screen. Questions for each case study will appear on separate display screens.

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 quiesses 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. Create a cron job to remove all locks before each backup.
- B. Add A100 Backup Accelerators and configure for three-way NDMP
- C. Stop using an NDMP-based backup strategy.
- D. Enhance the backup strategy using snapshots for backups.

ANSWER: B

QUESTION NO: 7

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**QUESTION NO: 8**

A company uses a Dell EMC Isilon cluster to store greater than one billion files. The company often restores files from NDMP backups.

Which backup technology is recommended for the environment?

- A. Two-way NDMP restore
- B. Directory DAR
- C. Three-way NDMP restore
- D. Direct Access restore

ANSWER: B**QUESTION NO: 9**

A company has a medical application that generates a large number of media files. The file count is well over one billion and is stored on a Dell EMC Isilon 8-node NL410 cluster. Currently, each node is connected to the network using two 10GbE connections. The Linux-based application does not require high bandwidth; however, it is latency sensitive. Additionally, the Linux hosts are connected to the cluster over NFSv3. The application generates approximately 10,000 files every 10 minutes.

For the past four years, the cluster has been growing at a rate of one additional node per year. The company is running out of free ports on their redundant network switches. They want to know what can be done to ensure continuous availability. They do not want to invest in upgrading the network infrastructure. In addition, the company needs to reduce the number of consumed interface ports on the switches.

Which recommendation should be provided?

- A. Leave the first four nodes of the cluster connected to both network switches with LACP and free up the remaining connections
- B. Leave the first node of the cluster connected to both network switches and free up the remaining connections
- C. Leave the first four nodes of the cluster connected to both network switches and free up the remaining connections
- D. Leave the first 10GbE interface from each node connected to the same network switch and free up the remaining connections

ANSWER: C**QUESTION NO: 10**

An administrator is investigating the performance of one of their Dell EMC Isilon clusters. Using the isi statistics drive command, 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. I/O latency is approximately half a millisecond
- B. Drives operate well within their estimated IOPS limits
- C. I/Os are not queuing due to high latency
- D. Drives exceed their estimated IOPS limits

ANSWER: B