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EMC DEE-1421

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QUESTION NO: 1

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 iperf output:

-890 Mb/s average bandwidth -98.8 ms average jitter

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

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

ANSWER: C**QUESTION NO: 2**

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: 3

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 VLANtagged data network in an Isilon user-defined data Access Zone

Which recommendation should be provided?

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

ANSWER: A

QUESTION NO: 4

A company is planning to replicate a dataset to a newly implemented Dell EMC Isilon cluster. SyncIQ will be used from the source cluster to the target cluster. The company's systems administrator wants to know how long the initial synchronization will take without seeding. The administrator provides the following information:

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

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

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

ANSWER: A

QUESTION NO: 5

Case Study 4

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-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: 6

A company has an environment with multiple AD forests in a one-way trust relationship. The AD provider on the cluster is configured with SFU. The trusted domains are failing to supply UIDs and GIDs to the Dell EMC Isilon cluster. As a result, users from the trusted domain are receiving an "access denied" error message.

What is a possible reason for the denial?

- A. Non-transitive forest trust is required for cross domain lookups.
- B. Transitive external two-way trust is required for cross domain lookups.
- C. Non-transitive external two-way trust is required for cross domain lookups.
- D. Transitive forest trust is required for cross domain lookups.

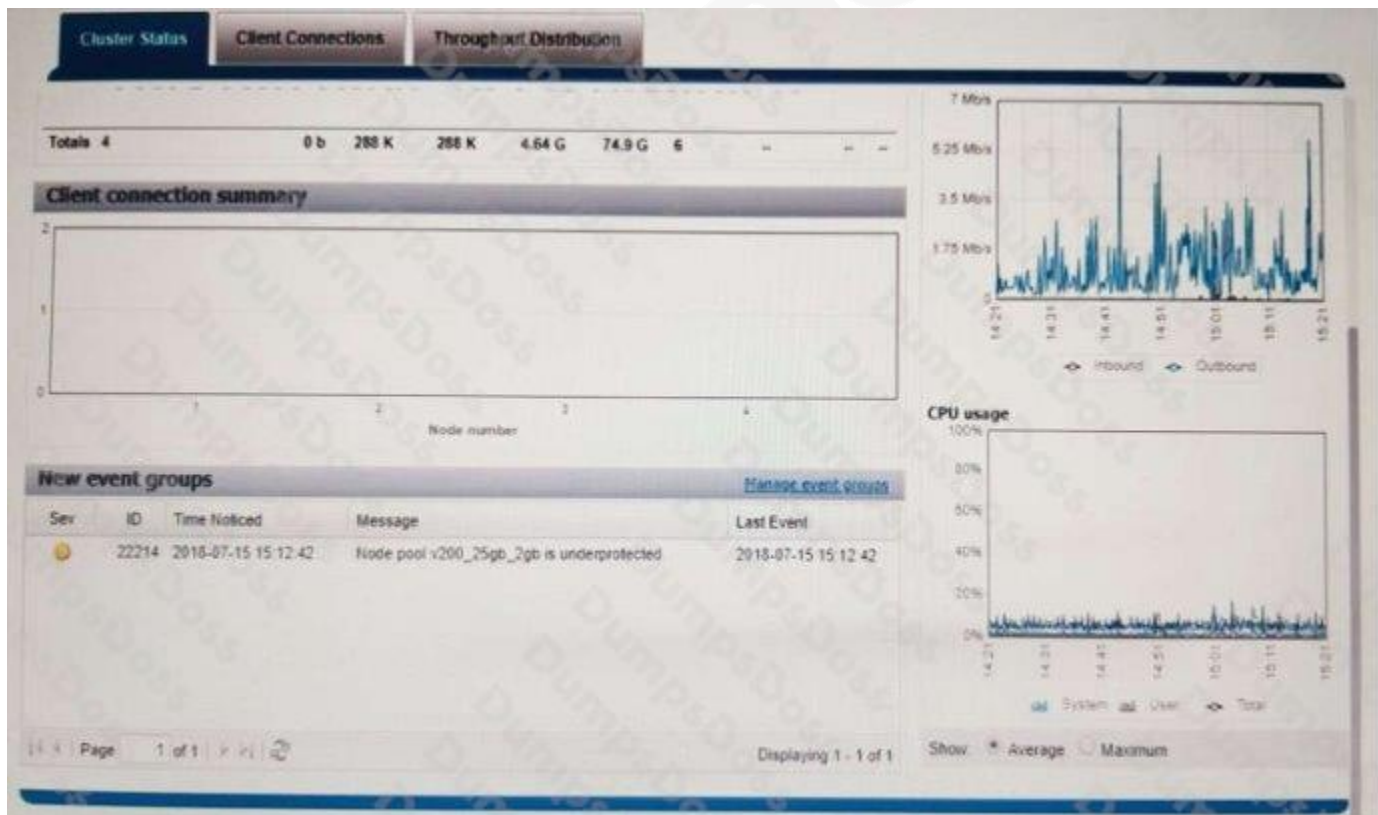
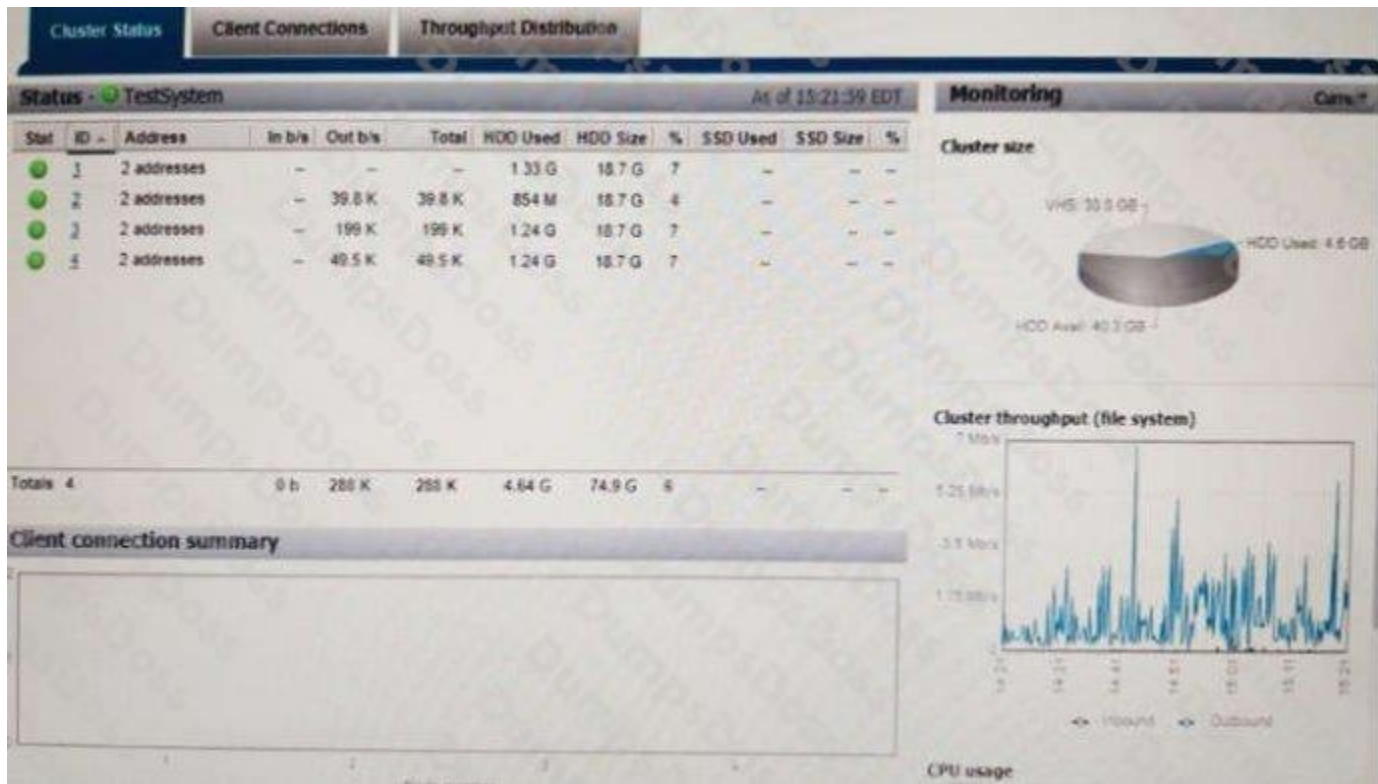
ANSWER: A

QUESTION NO: 7

A Dell EMC Isilon administrator has reported that in Access zone "ProdZone" on the OneFS file system "nfs1", Microsoft Windows "DEES\user1" has root level permission on nfs1. Use the "Launch Situation" button to examine the environment and validate the reason for this condition.

Note: It is necessary to "close" (x) the simulation windows to answer the question.

Based on your findings, what is the reason for the condition?



- A. RFC-2307 has been enabled
- B. NFS Export settings has been set

- C. Active Directory has not been added to the Access Zone
- D. User mapping rule has been created

ANSWER: C

QUESTION NO: 8

You are assisting a company in planning for a Dell EMC Isilon disaster recovery site. 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. Use a third-party tool to estimate the time based on the data and the bandwidth available
- C. Time cannot be estimated due to many factors such as the cluster workload
- D. After creating the policies, start the job and observe how much time it takes

ANSWER: D

QUESTION NO: 9

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. All nodes will be added with errors
- D. Quorum will be lost

ANSWER: B

QUESTION NO: 10

An IT team is implementing a disaster recovery solution. A Dell EMC Isilon cluster will replicate production data from the existing primary cluster to a planned secondary cluster. The primary cluster is licensed for SmartLock Enterprise whereas the secondary cluster is not.

A SmartLock enterprise type directory on the primary cluster is planned for replication. SyncIQ is used to replicate the data. What is a key consideration when replacing the WORM domain?

- A. Secondary cluster must be licensed for SmartLock Enterprise.
- B. Retention dates and commit status are lost on the target directory.
- C. Files on the primary cluster cannot be committed to a WORM state.
- D. A failback will cause a second copy of the data on the primary cluster.

ANSWER: B

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