



EMC

Exam Questions DES-1423

Specialist - Implementation Engineer-Isilon Solutions Exam

NEW QUESTION 1

When reviewing the actual protection output of N+4/2, what does the number "4" represent?

- A. FEC stripe units per stripe
- B. Hard drives used per stripe
- C. Volume stripes per file system
- D. FEC stripe units per file system

Answer: A

Explanation:

It's OneFS FEC protection nomenclature for our "hybrid" protection policies. More generally, it's written as: N+M/b where "N" is the number of data stripe units in a stripe, "M" is the number of FEC stripe units in a stripe, and "b" is the number of stripe units in a stripe which are allowed to reside on the same node.

NEW QUESTION 2

You are configuring the network on a Isilon source cluster. The administrator wants to dedicate a new subnet for replication. Which consideration must be addressed for SyncIQ to work properly?

- A. SyncIQ must run on a static IP pool.
- B. SnapshotIQ must be licensed first.
- C. 10GbE ports must be used for replication
- D. SyncIQ must run on a dynamic IP pool

Answer: A

Explanation:

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NEW QUESTION 3

In Isilon OneFS, what is a characteristic of CoW with snapshots?

- A. Used for small changes, inodes, and directories.
- B. Avoids the double write penalty.
- C. Increases file fragmentation.
- D. Used for more substantial changes such as deletes.

Answer: A

Explanation:

With copy on write, as the name suggests, a new write to HEAD results in the old blocks being copied out to the snapshot version first. Although this incurs a double write penalty, it results in less fragmentation of the HEAD file, which is better for cache prefetch, etc. Typically, CoW is most prevalent in OneFS and is primarily used for small changes, inodes and directories.

NEW QUESTION 4

A Job Engine is running in low space mode and no jobs are in the running state. What is the OneFS8.2 behavior if the AutoBalance job is initiated?

- A. Job is started.
- B. Job is failed.
- C. Job is put into the queue.
- D. Job is not started.

Answer: A

Explanation:

References:
494 / 495 Autobalance is a space saving job
Isilon Administration and Management participant guide

NEW QUESTION 5

In an Isilon environment, what is a requirement to join multiple, untrusted Active Directory (AD) authentication sources to an access zone?

- A. Must use a common /ifs tree for all access zones.
- B. Only one of the AD provider instances can exist in a zone at one time.
- C. All untrusted AD provider instances must exist in all access zones.
- D. Must only join Active Directory domains in the same forest.

Answer: D

Explanation:

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NEW QUESTION 6

If configuration auditing is enabled, where are the audit logs stored?

- A. /ifs/.ifsvar/audit/audit.log
- B. /var/log/audit_config
- C. /ifs/.ifsvar/audit/config/log
- D. /var/log/isi_papi_d_audit.log

Answer: B

NEW QUESTION 7

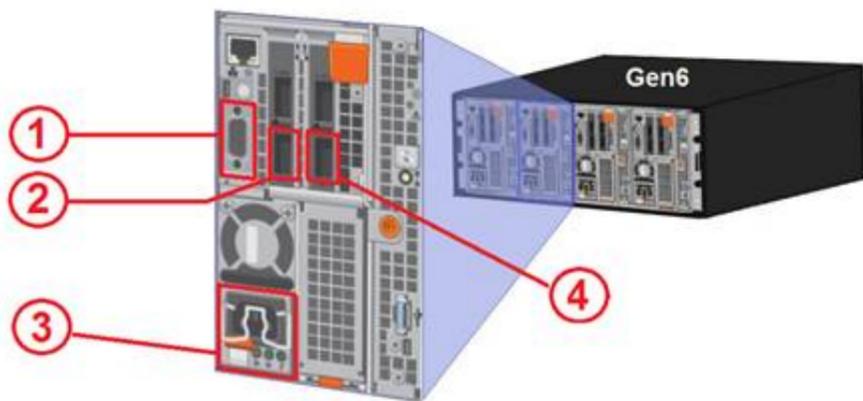
An Isilon cluster has four H500 nodes. Data protection and access are set to N+1 and concurrency respectively. How many drives will be used across the disk pool to protect a 1 MB file?

- A. 4
- B. 8
- C. 10
- D. 11

Answer: A

NEW QUESTION 8

Refer to the Exhibit.



In an Isilon environment, match the connectivity type to the proper numerical port reference shown in the exhibit.

Answer Area

<u>Connectivity Type</u>	<u>Port Reference</u>
Power Connectivity	1
Serial Connectivity	2
External Network Connectivity	3
Internal Network Connectivity	4

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

<u>Connectivity Type</u>	<u>Port Reference</u>
Power Connectivity	1
Serial Connectivity	2
External Network Connectivity	3
Internal Network Connectivity	4

Red arrows indicate the correct matches: Power Connectivity to 1, Serial Connectivity to 2, External Network Connectivity to 3, and Internal Network Connectivity to 4.

NEW QUESTION 9

What is the correct hierarchy of the Job elements structure?

Answer Area

Phase	Step 1
Item	Step 2
Job	Step 3
Task	Step 4

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:
Answer Area

Phase	Job
Item	Phase
Job	Task
Task	Item

NEW QUESTION 10

In an Isilon Gen 5 environment, what is the maximum number of data stripes for the N+3d:1n1d protection level?

- A. 15
- B. 16
- C. 18
- D. 20

Answer: A

Explanation:

References: 324
 Isilon Administration and Management participant guide

NEW QUESTION 10

What are the considerations when a NANON configuration is used?

- A. Increase frontend I/O ports and aggregated cache.
- B. Increases capacity and aggregated cache.
- C. Increases frontend network ports and capacity.
- D. Increases bandwidth inside the cluster and GbE links.

Answer: C

NEW QUESTION 13

On an Isilon cluster, what is a benefit of using SMB Server-Side Copy?

- A. A secondary copy of a file is written to a backup location to assist SyncIQ operations.
- B. A secondary copy of the user's file is created to allow multiple users to edit the file simultaneously.
- C. Allows the file to be copied from one location to another without having to go through the client.
- D. Allows members of the Administrator's group to manage snapshot copies of files.

Answer: C

NEW QUESTION 18

What are the methods to join a node to an Isilon cluster?

- A. Configuration wizard, SSH connection, or CLI only
- B. Serial connection, Configuration wizard, or CLI only
- C. Front panel display, serial cable, or Configuration wizard only
- D. Front panel display, Configuration wizard, WebUI, or CLI only

Answer: D

NEW QUESTION 23

When configuring NTP on a 4-node Gen 6 cluster, how many chimer nodes are automatically configured on the cluster?

- A. 1
- B. 2
- C. 3
- D. 4

Answer: C

NEW QUESTION 27

What is the recommended number of delegations for a SmartConnect zone name for each SmarConnect zone alias on a cluster?

- A. 1
- B. 2
- C. 3
- D. 4

Answer: A

Explanation:

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NEW QUESTION 28

What is a requirement when adding Gen 6 nodes to an existing Isilon Gen 5 cluster?

- A. 40 Gb InfiniBand ports
- B. Decreased journal size for storage performance
- C. Dedicated bootflash drives
- D. NVRAM dependency

Answer: A

NEW QUESTION 29

Which command provides cluster statistics including protocol, disk input, and disk output?

- A. isi statistics client
- B. isi statistics system
- C. isi statistics drive
- D. isi statistics protocol

Answer: B

NEW QUESTION 32

Which job checks for error correction codes?

- A. IntegrityScan
- B. Collect
- C. FlexProtect
- D. MediaScan

Answer: D

NEW QUESTION 37

An Isilon administrator is receiving "permission denied" while accessing a file on a cluster that an end-user created through an SMB share. The end-user is unable to access the share from their UNIX server.

The end-user "mydomain.com\win_user1" as the login name to access the Microsoft Windows share and then used an LDAP account name of "ux_user1" to access the UNIX mount. The Isilon cluster is joined to the "mydomain.com" Active Directory domain. In addition, the cluster has an LDAP provider attached to it while the on-disk identity is set as "Native".

What is a possible cause for this permission issue?

- A. Usermapping rule is not present.
- B. RFC2307 is not configured on the Active Directory.
- C. On-disk identity is set as "Native".
- D. Fake UID generation in the cluster is disabled.

Answer: B

NEW QUESTION 38

A company has a 4-node Isilon H600 cluster dedicated for a high-performance workflow. The administrator wants to convert their cluster SSD strategy from L3 cache to use the SSDs for metadata acceleration.

What should be considered?

- A. Migration of data and metadata from the SSDs to HDDs can take hours.
- B. Once enabled, the L3 cache cannot be disabled without support assistance.
- C. Converting to use SSDs for metadata acceleration turns off prefetching.
- D. Deselecting L3 cache for an SSD strategy has no impact to the workflow.

Answer: A

Explanation:

References:
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NEW QUESTION 43

Which access information is represented in the exhibit?

```
boston-1# ls -le /ifs/boston/sales/media/NE.jpg
-rwxr-x--- + 1 DEES\john DEES\domain users 3584624 Jun 29 2011 /ifs/boston/sales/media/NE.jpg
OWNER: user:DEES\john
GROUP: group:DEES\domain users
CONTROL:dacl_auto_inherited
0: user:DEES\john allow file_gen_all
1: group:DEES\sales allow inherited file_gen_read, file_gen_execute,inherited_ace
2: user:DEES\john allow inherited file_gen_all,inherited_ace
```

- A. Real ACL is applied and group "DEES\domain users" has read access to the file
- B. Real ACL is applied and group "DEES\sales" has read access to the file
- C. Synthetic ACL is applied and group "DEES\sales" has read access to the file
- D. Synthetic ACL is applied and user "DEES\john" has read access to the file

Answer: A

NEW QUESTION 48

An Isilon cluster has ten A200 nodes and the node pool data protection level is set to N+2. The data access pattern is currently set to streaming. If the data access pattern is changed to concurrency, how many stripes for a 1 MB file are moved to the other drive(s)?

- A. 2
- B. 4
- C. 6

Answer: B

NEW QUESTION 50

What impact can obsolete drive firmware have on an Isilon cluster?

- A. Reduces administrative overhead and increases performance.
- B. Affects redundancy settings and FEC coding.
- C. Affects cluster performance or hardware reliability.
- D. Increases runtime and cluster performance.

Answer: C

NEW QUESTION 52

Based on the exhibit, what is the actual protection level of the FEATURE.wmv file?

```
boston-2# isi get /ifs/sales/quotes/Animation/FEATURE.wmv
POLICY      LEVEL PERFORMANCE COAL   FILE
+2d:1n     6+2 concurrency on  FEATURE.wmv
```

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

Answer: C

Explanation:

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NEW QUESTION 56

What is the main functions(s) of the Automatic Replacement Recognition (ARR) feature?

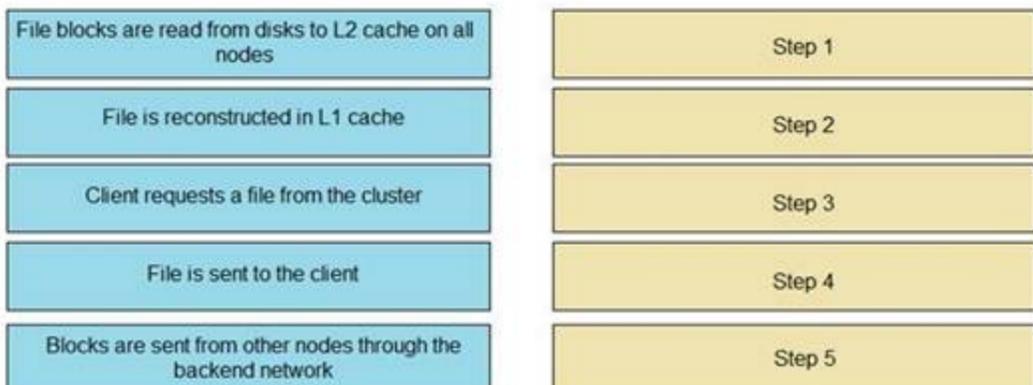
- A. Updates the new drive firmware and adds it to the cluster.
- B. Formats the new drive and adds it to the cluster.
- C. Formats the drive, adds it to the cluster, and updates the drive firmware.
- D. Replaces the new drive support package in the cluster.

Answer: C

NEW QUESTION 57

What is the correct sequence of steps in a client read operation?

Answer Area

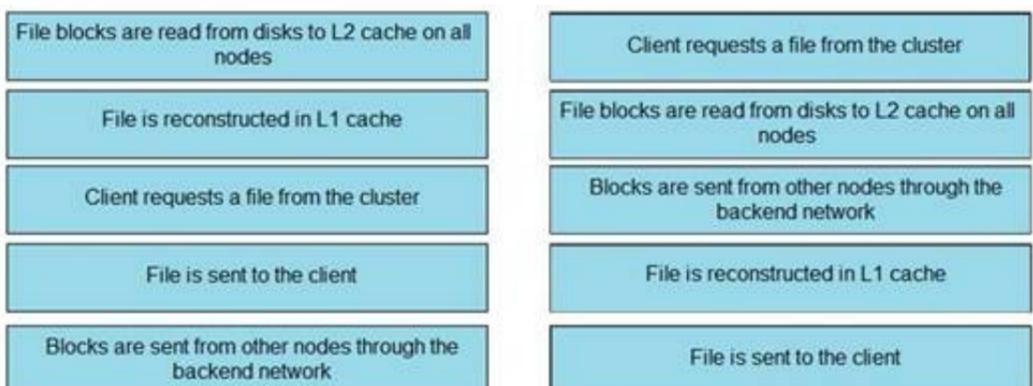


- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area



NEW QUESTION 58

An administrator wants to enable quotas on a group directory in their Isilon cluster. In addition, the administrator wants to monitor and limit the disk usage. Which type of quotas need to be configured?

- A. Advisory
- B. Enforcement
- C. Accounting
- D. Soft

Answer: B

Explanation:

References: 409
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NEW QUESTION 61

A user has recently left the company. After two weeks, the Isilon administrator receive a request to provide some files from the user's directory called \ifs\user\John_Doe\development. The administrator then discovers that the required files have been deleted, but a snapshot of the directory is available. After restoring the files from the snapshot, which additional step is necessary to access the files?

- A. Restored files need to be copied from the .snapshot directory to the .restore directory.
- B. Permissions of the restored files need to be changed.
- C. Restored files need to be copied from the .restore directory to the user directory.
- D. Permissions of the user directory need to be changed.

Answer: B

NEW QUESTION 65

An Isilon administrator wants to minimize the use of root/admin access to their cluster. In addition, the administrator wants to create specific administrative accounts for specific cluster management activities in different access zones. An administrator of one zone should be able to view or configure objects in a different zone.

Which action will address the administrator's requirements?

- A. Create ZRBAC role for each zone administrator.
- B. Create ZRBAC role for the administrator on all access zone.
- C. Create a separate management subnet for each administrator.
- D. Create an unique role in the System zone for each administrator.

Answer: A

NEW QUESTION 70

Which data access pattern makes the prefetch caching algorithm to be highly aggressive?

- A. Random
- B. Parallel
- C. Concurrency
- D. Streaming

Answer: D

NEW QUESTION 71

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