

## Exam Questions DES-1423

Specialist - Implementation Engineer-Isilon Solutions Exam

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#### NEW QUESTION 1

A systems administrator needs to change the cluster protection from N+3n to N+2n. Which interfaces can be used?

- A. HTTP, WebUI, and CLI
- B. SFTP, HTTP, and CLI
- C. PAPI, WebUI, and CLI
- D. PAPI, WebUI, and SFTP

**Answer:** C

#### Explanation:

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#### NEW QUESTION 2

What is the recommended networking design approach when planning subnets?

- A. Use a common subnet for data, replication and backup, and use a dedicated subnet for management. Assign the lowest priority gateway number for the management subnet.
- B. Use a common subnet for management, data, replication and backup. Assign a random priority gateway number for the subnet.
- C. Use a common subnet for data and management and a common subnet for replication and backup. Assign the lowest priority gateway number for the management subnet.
- D. Use dedicated subnets for management, data, replication and backup. Assign the lowest priority gateway number for the data subnet.

**Answer:** D

#### NEW QUESTION 3

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 4

A systems administrator must ensure that an IP address never becomes unavailable, even if a node goes offline. What needs to be configured on SmartConnect?

- A. Dynamic Allocation
- B. Static Allocation
- C. Connection Count
- D. Round Robin

**Answer:** A

#### NEW QUESTION 5

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 6

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:**

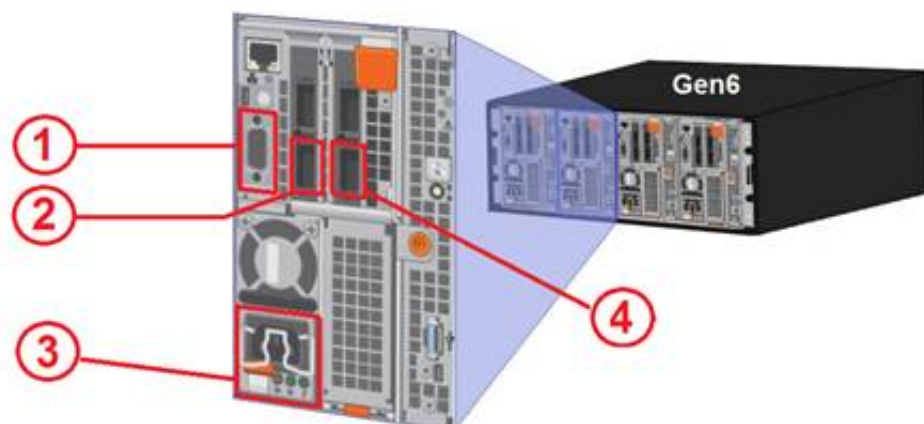
References:

494 / 495 Autobalance is a space saving job

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**NEW QUESTION 7**

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

**NEW QUESTION 8**

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 9

What is the correct sequence of actions performed by OneFS to generate an access token?

Answer Area

Perform user mapping	Step 1
Look up user in external directory services	Step 2
Determine on-disk identity	Step 3
Perform ID mapping	Step 4

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:  
Answer Area

Perform user mapping	Look up user in external directory services
Look up user in external directory services	Determine on-disk identity
Determine on-disk identity	Perform ID mapping
Perform ID mapping	Perform user mapping

#### 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 10

An administrator uses a TreeDelete job to delete a large directory. After the job starts, users notice an issue with performance on the cluster. Which recommended action will resolve the performance issue with the job?

- A. Modify the running job to use a high impact policy to reduce the amount of time users are impacted.Schedule the job after business hours in the future.
- B. Let the job continue to run at the current impact level and schedule future jobs for after business hours so they do not impact users.
- C. Modify the running job to use an OFF\_HOURS policy that runs at low impact during business hours and medium impact after business hours.
- D. Pause the running job and resume after business hours using a high impact policy so that it does not impact users.

Answer: C

**Explanation:**

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**NEW QUESTION 12**

What is the maximum number of active Swift connections on a 5-node Isilon cluster?

- A. 250
- B. 500
- C. 750
- D. 1000

**Answer: C**

**NEW QUESTION 14**

What information is required to enable the LDAP service on an Isilon cluster?

- A. Administrator account and password, and LDAP server name and IP address
- B. Port number, cluster name, and an LDAP server IP address
- C. Base distinguished name, cluster name, and port number
- D. Base distinguished name, port number, and at least one LDAP server

**Answer: D**

**NEW QUESTION 15**

What is the lowest level of storage pool grouping on an Isilon cluster that is user-configurable and created manually or automatically?

- A. Node pool
- B. Sub-node pool
- C. Neighborhood
- D. Disk pool

**Answer: D**

**NEW QUESTION 20**

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

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

**Answer: A**

**Explanation:**

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**NEW QUESTION 22**

A company deployed an Isilon cluster that consists of eight nodes connected to a main production subnet by all available 10GB ports. Later, the company decided to implement a disaster recovery solution with a separate replication subnet. During the reconfiguration, one of the 10Gb ports from each of the nodes 1-4 was moved into the new pool and SBR was activated.

After activating the replication policies, the administrator noticed that the main production ports on nodes 1-4 reached the bandwidth limit. What is a possible reason for this behavior?

- A. Default gateway for the replication subnet has a higher priority value.
- B. Default gateway for the replication subnet is not specified.
- C. Default gateway for the replication subnet has a lower priority value.
- D. Main production ports have a smaller bandwidth limit than replication ports.

**Answer: B**

**NEW QUESTION 27**

An Isilon administrator wants to enable quota notifications for their LDAP users. However, the users' email IDs are not updated in the LDAP environment. What additional configuration needs to be performed?

- A. Configured the file provider
- B. Manage local users and groups
- C. Configure the local provider
- D. Configure a mapping rule

**Answer: D**

**NEW QUESTION 28**

An NFS export is created on the Isilon cluster. No clients are listed in the export rules. What is the client behavior when accessing the export?



- A. All clients on the network can access the export.
- B. No clients on the network can access the export.
- C. Clients can access the export with read-only permissions.
- D. Clients that access the export are mapped as root.

**Answer:** A

**Explanation:**

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#### NEW QUESTION 30

An Isilon administrator wants to create a new SMB share to an existing directory structure. The directory contains migrated production data and has an active NFS export. What will happen if the administrator selects the “Apply Windows default ACLs” option during creation?

- A. Windows default ACLs are overwritten by the existing mode bit rights.
- B. Existing mode bit rights are overwritten by the Windows default ACLs.
- C. Windows default ACLs are merged with the existing mode bit rights.
- D. Creation of the SMB share fails due to the existing mode bit rights.

**Answer:** B

**Explanation:**

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#### NEW QUESTION 32

You have been tasked with designing SyncIQ policies for a systems administrator that requires failover and failback testing. What information should be provided to the administrator?

- A. SyncIQ supports failback replication policies that specify directory includes or excludes.
- B. Failback replication policies that specify includes or excludes cannot use data encryption.
- C. Failback replication policies that specify includes or excludes are not supported with SyncIQ.
- D. Failback replication policies that specify includes or excludes cannot use historical snapshots.

**Answer:** C

#### NEW QUESTION 35

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 39

What is the difference between a rolling upgrade and simultaneous upgrade in an Isilon cluster?

- A. Rolling updates take less time to complete.Simultaneous upgrades take longer to complete.
- B. Rolling updates are more disruptive.Simultaneous upgrades are less disruptive.
- C. Rolling updates are less disruptive.Simultaneous upgrades are more disruptive.
- D. Rolling updates are available between all OneFS versions.Simultaneous upgrades are restricted between certain OneFS versions.

**Answer:** C

#### NEW QUESTION 42

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 47**

Which OneFS networking option enables Isilon for DNS multitenant functionality?

- A. Groupnet
- B. Access zone
- C. Pool
- D. Subnet

**Answer:** A

**Explanation:**

Groupnets are designed to enable multi-tenant DNS support per access zone. References:

**NEW QUESTION 50**

What is the minimum storage space needed on a datastore to hold InsightIQ?

- A. 50 GB
- B. 65 GB
- C. 70 GB
- D. 85 GB

**Answer:** C

**NEW QUESTION 54**

Which OneFS 8.0 feature can be added to an NFSv4 export to assist with seamless failover in the event of a disconnect?

- A. Transparent failover
- B. Stateless connection
- C. Stateful connection
- D. Continuous availability

**Answer:** D

**Explanation:**

References: 257  
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**NEW QUESTION 57**

How many Active Directory provider instances can be configured per access zone?

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

**Answer:** A

**NEW QUESTION 60**

Which deduplication phase is excluded from the Dry Run process?

- A. Commonality Detection
- B. Sharing
- C. Sampling
- D. Index Updating

**Answer:** B

**Explanation:**

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**NEW QUESTION 61**

When using NIC aggregation, which configuration is supported in an Isilon Gen 5 environment?

- A. ext-1 and ext-2 of node 1 aggregated together
- B. ext-1 and 10gige-1 of node 1 aggregated together
- C. 10gige-1 port of node 1 and 10gige-1 of node 2 aggregated together
- D. ext-1 port of node 1 and ext-1 port of node 2 aggregated together

**Answer:** A

**Explanation:**

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#### NEW QUESTION 64

A company wants to re-use HD400 nodes into a new cluster with OneFS 8.2.0. What is the minimum number of HD400 nodes required?

- A. 3
- B. 4
- C. 5
- D. 6

**Answer:** A

#### NEW QUESTION 68

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 73

On which node does the SSIP initially reside?

- A. Highest node ID
- B. Lowest node ID
- C. Lowest logical node number
- D. Highest logical node number

**Answer:** C

#### NEW QUESTION 77

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 80

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 82

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