

# DES-1423<sup>Q&As</sup>

Specialist Implementation Engineer Isilon Solutions Exam

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## QUESTION 1

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

Correct Answer: B

Reference: <https://www.dell.com/community/Isilon/isi-statistics-command-document/td-p/7101434>

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## QUESTION 2

Which OneFS networking option enables Isilon for DNS multitenant functionality?

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

Correct Answer: A

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

Reference: <https://www.dell.com/community/Isilon/Multiple-groupnets-using-the-same-subnet/td-p/7152525>

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## QUESTION 3

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.

Correct Answer: C

Reference: <https://www.dellemc.com/zh-tw/collaterals/unauth/technical-guides-support-information/products/networking-4/docu69989.pdf>

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## QUESTION 4

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.

Correct Answer: B

## QUESTION 5

DRAG DROP

What is the correct hierarchy of the Job elements structure?

Select and Place:

### Answer Area

Phase
Item
Job
Task

Step 1
Step 2
Step 3
Step 4

Correct Answer:

## Answer Area

Job
Phase
Task
Item

Reference: <https://www.dellemc.com/resources/en-us/asset/white-papers/products/storage/h12570-wp-isilon-onefs-job-engine.pdf> (6)

### QUESTION 6

When reconciling permissions for clients using UNIX as well as Microsoft Windows systems, what describes the scope of the permissions?

- A. Windows ACLs and POSIX bits have overlapping semantics, but neither completely reflects the other.
- B. Windows ACLs have semantics that are a subset of POSIX bits.
- C. POSIX bits have semantics that are a subset of Windows ACLs, but Windows ACLs are more extensive.
- D. POSIX bits and Windows ACLs are semantically equivalent.

Correct Answer: B

### QUESTION 7

A company has an existing 8-node F800 Isilon cluster with two Z9100 Dell Ethernet back-end switches running on OneFS 8.2.0. The company is planning to add 72 A200 nodes into the cluster. What is the minimum number of additional switches required to support the configuration?

- A. 2
- B. 3
- C. 4
- D. 6

Correct Answer: D

**QUESTION 8**

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`

Correct Answer: B

Reference: [https://www.google.com/url?sa=t&drct=jandq=andesrc=sandsource=webandcd=6andved=2ahUKEwi\\_\\_ePkIKHmAhURzIUKHYipCVgQFjAFegQIBBACandurl=https%3A%2F%2Fwww.dell.com%2Fcommunity%2Fs%2Fvjaug58549%2Fattachments%2Fvjaug58549%2Fsolutions-ch%2F482%2F1%2Fh12428-wp-best-practice-guide-ision-file-system-auditing.pdf&usg=AOvVaw1rEv1R15oV0vd17KjB7VAo](https://www.google.com/url?sa=t&drct=jandq=andesrc=sandsource=webandcd=6andved=2ahUKEwi__ePkIKHmAhURzIUKHYipCVgQFjAFegQIBBACandurl=https%3A%2F%2Fwww.dell.com%2Fcommunity%2Fs%2Fvjaug58549%2Fattachments%2Fvjaug58549%2Fsolutions-ch%2F482%2F1%2Fh12428-wp-best-practice-guide-ision-file-system-auditing.pdf&usg=AOvVaw1rEv1R15oV0vd17KjB7VAo) (5)

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**QUESTION 9**

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

Correct Answer: A

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.

Reference: <https://www.dell.com/community/Isilon/Isi-get-output/td-p/7085467>

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**QUESTION 10**

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.

Correct Answer: B

Reference: <https://community.emc.com/community/products/isilon/blog/2016/04/25/restoring-from-snapshots>

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## QUESTION 11

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

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

Correct Answer: C

Reference: <https://www.dellemc.com/en-us/collaterals/unauth/technical-guides-support-information/products/storage-5/docu65240.pdf> (10)

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## QUESTION 12

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.

Correct Answer: A

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## QUESTION 13

What defines FEC link aggregation mode?

- A. Switches to the next interface when the primary interface becomes unavailable.
- B. Balances outgoing traffic based on hashed protocol header information that includes source and destination addresses, and VLAN tag.
- C. Balances outgoing traffic based on hashed protocol header information that includes source and destination

addresses.

D. Balances outbound traffic across all active ports in the aggregated link.

Correct Answer: B

Reference: [http://doc.isilon.com/onefs/8.0.0/help/en-us/ifs\\_r\\_link\\_aggregation\\_methods.html](http://doc.isilon.com/onefs/8.0.0/help/en-us/ifs_r_link_aggregation_methods.html)

## QUESTION 14

DRAG DROP

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

Select and Place:

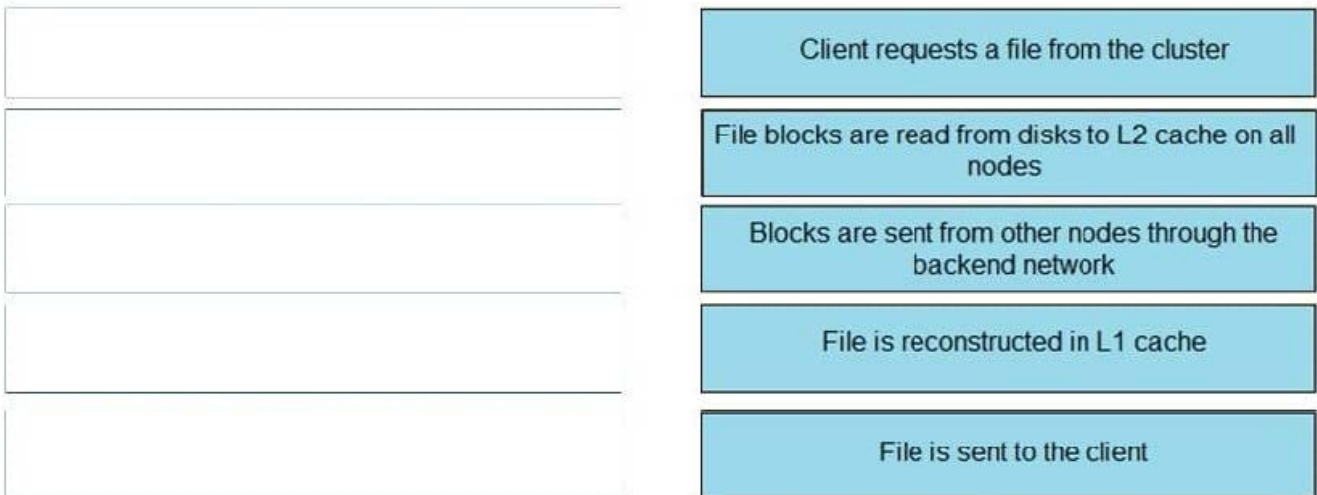
### Answer Area

File blocks are read from disks to L2 cache on all nodes
File is reconstructed in L1 cache
Client requests a file from the cluster
File is sent to the client
Blocks are sent from other nodes through the backend network

Step 1
Step 2
Step 3
Step 4
Step 5

Correct Answer:

## Answer Area



## QUESTION 15

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

Correct Answer: A

Reference: <https://community.emc.com/community/products/isilon/blog/2017/05/25/next-gen-nodes>

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