EMC

Exam E20-559

Isilon Solutions Specialist Exam for Storage Administrators

Verson: Demo

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Topic 1, Future Isilon Technologies

Question No : 1 - (Topic 1)

Traditional NAS storage architectures deploy simple two-way failover between two controllers in storage systems, such as highly available configurations. How is the Isilon architecture different in terms of system resiliency and availability?

A. OneFS enables each node to have a designated partner node for simple failover between the pair.
B. Use of client-side drivers can enable failover to other nodes.
C. Isilon clustered architecture deploys standby failover nodes to ensure the highest available solution.
D. OneFS enables each node to be a peer to any other node in an Isilon cluster. Any node can take over for any other node.

Answer: A

Topic 3, Data Protection, Layout, and Access

Question No : 2 - (Topic 3)

What will occur when an Isilon node pool is below the recommended protection level?

A. CELOG will generate an underprotected event
B. File will be striped to an additional drive
C. File will be mirrored
D. An additional copy of the metadata will be stored on the SSD drives

Answer: A

Question No : 3 - (Topic 3)

In a three-node Isilon cluster using N+1n data protection, a single 128 KB file is written. Howare the stripe units distributed over the nodes?

A. Node 1: 64 KB stripe unit
Node 2: 64 KB mirror

Node 3: 64 KB FEC
B. Node 1: 64 KB stripe unit
Node 2: 64 KB stripe unit
Node 3: 64 KB FEC
C. Node 1: 128 KB stripe unit
Node 2: 128 KB FEC
D. Node 1: 128 KB stripe unit
Node 2: 128 KB mirror
Node 3: 128 KB FEC

Answer: C

Topic 6, Storage Management

Question No : 4 - (Topic 6)

How is InsightIQ changed when FSA is enabled?

A. When enabled, a Job runs on the cluster and collects InsightIQ data
B. By default, it runs every hour and monitors cluster performance
C. Enabled on a VM or physical server and helps plan SmartPools and file system use
D. FSAnalyze queries results from the last InsightIQ run and populates file system reports

Answer: A

Question No : 5 - (Topic 6)

Which protocol is used for communication between an Isilon InsightIQ virtual appliance and an end-user system?

A. HTTP
B. HDFS
C. NFS
D. SMB

Answer: A

Topic 8, Application Integration and Job Engine

Question No : 6 - (Topic 8)

Which job is a data distribution job on an Isilon cluster?

A. FlexProtect
B. Collect
C. MediaScan
D. TreeDelete

Answer: A

Question No : 7 - (Topic 8)

What happens in the Job Engine v2.0 when an error occurs in a phase on an Isilon cluster?

A. Job is marked failed
B. Job pauses
C. Phase pauses
D. Task fails

Answer: A

Question No : 8 - (Topic 8)

In an Isilon Hadoop configuration, what changes occur in the event there is a failure of an Isilon node running as a NameNode?

A. Another Isilon node will immediately pick up the function of the NameNode and metadata will be preserved
B. Administrative intervention will be required to failover the NameNode
C. Affected node will be SmartFailed since metadata assigned to the failed NameNode can be compromised
D. Administrator can configure a replacement NameNode; all metadata will be preserved

Answer: A

Topic 9, User Authentication and File Access

Question No : 9 - (Topic 9)

When creating an SMB share on the Isilon cluster, what is the effect of selecting the "Apply Windows Default ACLs"?

A. An ACL with the equivalent of UNIX 700 mode bit permissions is created for any directory automatically created
B. File permissions are automatically set to be the same as the share permissions
C. Share permissions' configuration is no longer required as it too will be set to the default values
D. Ownership of all files in the directory will be set to the default user's SID

Answer: A

Question No : 10 - (Topic 9)

Based on the command output shown in the exhibit, what does the "+" represent?

```
Rainer1-2# pwd
/ifs/data
Rainer1-2# ls -ale ./testfile1
-rwxr--r-- + 1 root  wheel  3763 Jan 19 23:53 ./testfile1
 OWNER: user:root
 GROUP: group:wheel
 0: user:root allow file_gen_all
 1: group:wheel allow file_gen_read
 2: everyone allow file_gen_read
Rainer1-2#
```

A. File has an advanced ACL on it
B. File has a synthetic ACL on it
C. File's mode bits take precedence
D. Root is a super user

Answer: A

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