**Vendor:** Dell-EMC

**Exam Code:** D-PSC-DS-23

**Exam Name:** Dell Technologies PowerScale Design 2023

**Version:** DEMO

**QUESTION 1**
Which Isilon tool can be run from the cluster to display Isilon statistics such as CPU activity?

A. iperf
B. iostat
C. InsightIQ
D. MiTrend

**Answer:** C

**QUESTION 2**
What is a correct statement concerning InsightIQ, excluding FSA?

A. InsightIQ runs on separate hardware from the cluster and does not take cluster resources beyond the data collection process.
B. InsightIQ runs on separate hardware from the cluster and provides data used by the isi statistics CLI command set.
C. InsightIQ runs on the lowest logical node (LNN) on the cluster and provides data used by InsightIQ appliance for graphical output.
D. InsightIQ runs on the lowest logical node (LNN) on the cluster and provides data used by the isi statistics CLI command set.

**Answer:** A

**QUESTION 3**
A customer has two Isilon clusters in an Active-Passive setup. The customer has latency sensitive media editing workflows. Most of the media editing work occurs prior to broadcasting between 7:00-8:00, 11:00- 12:00, 17:00-18:00 and 19:00-20:00.
What should be recommended to minimize the risk of including latency to the client workflow?

A. Retain the default job impact policies that would run the Job Engine jobs. Do not run SyncIQ policies during the given hours.
B. Create and set a custom job impact policy that would exclude the running SyncIQ policies during the given hours.
C. Create and set a custom job impact policy that would exclude the running of the Job Engine jobs. Do not run SyncIQ policies during the given hours.
D. Retain the default job impact policies that would run the Job Engine jobs. Run SyncIQ policies during the given hours.

**Answer:** C

**QUESTION 4**
During initial configuration of a PowerScale cluster, OneFS creates a network using the default internal network interface without a failover option.
What is the default back-end network interface used?

A. eth-0
B. int-a
C. int-b
D. eth-1

**Answer:** B

**QUESTION 5**
How are clients, L1 cache, L2 cache, and disks interconnected?

A. Clients connect to L1 Cache and write coalescer L1 cache is connected to L2 on the local node L2 cache connects to disks on all nodes via internal network
B. Clients connect to L2 Cache and write coalescer L1 cache connects to disks on all nodes via internal network L2 cache is connected to L1 on the local node
C. Clients connect to L2 Cache and write coalescer L1 cache connects to disk on its local node L2 cache is connected to L1 on all nodes via internal network
D. Clients connect to L1 Cache and write coalescer L1 cache is connected to L2 on all nodes via internal network L2 cache connects to disks on its local node

**Answer:** A

**QUESTION 6**
Which type(s) of data is predominately associated with home directories and file shares?

A. E-mail files, PPT, Word documents
B. Oracle directories
C. SQL database files
D. XML data

**Answer:** A

**QUESTION 7**
A customer has two PowerScale clusters. Cluster1 has eight H700 nodes, and Cluster2 has twelve A300 nodes. The customer wants to monitor real-time performance data of both clusters and track file growth.
Which tool should be recommended?

A. IOZone
B. Iperf
C. InsightIQ
D. Iometer

**Answer:** C

**QUESTION 8**
A customer has a 2 GB file that is tiered to the cloud by CloudPools. The Isilon cluster is running OneFS 8.1.2. Approximately how many cloud data objects will be created for this file?

A. 1,024
B. 2,048
C. 4,096
D. 16,416

**Answer:** A

**QUESTION 9**
Which feature will provide data immutability without the ability for the administrator to delete the files under any condition?

A. Access Control Entries
B. Role-based Access Controls
C. Enterprise SmartLock
D. Compliance SmartLock

**Answer:** D

**QUESTION 10**
What method does the MediaScan job leverage to locate and clear media-level errors?

A. MD5
B. FEC
C. SHA256
D. CRC

**Answer:** D

**QUESTION 11**
One of your customers is interested in a PowerScale Gen6 solution. They have provided basic solution requirements, but their security policies do not allow them to perform detailed data collection for infrastructure and workload analysis.
Which tool should you use to design the new PowerScale solution?

A. Iometer
B. Power Calculator
C. SolVE Online
D. PowerSizer

**Answer:** D

**QUESTION 12**
Which Isilon Gen 6 node models can use only L3 cache?

A. A200 and A2000
B. A200 and H5600
C. F800 and H600
D. F800 and A2000

**Answer:** D

**QUESTION 13**
A large hospital organization is looking for a vendor neutral archive solution for their imaging data.

When proposing an Isilon solution, which benefits should be discussed?

A. Consolidation of imaging applications and ability to switch PACS systems
B. Deduplication of image data and Data at Rest Encryption
C. Data at Rest Encryption and high performance storage platform
D. Consolidation of imaging applications and global namespace acceleration

**Answer:** A

**QUESTION 14**
A potential customer has a requirement for 4 PB of usable capacity to store media files. Their data center has limited physical space, so efficient use of that space is important. However, the customer is concerned about using 3 TB or larger drives because of rebuild times. How does an Isilon cluster address this customer's concern?

A. Drive recovery takes the same amount of time regardless of drive size Short-stroking 4 TB drives to reduce drive seek and access time
B. Proactive hot sparing eliminates most drive rebuilds
Endurant Cache reduces the overhead during drive rebuild operations
C. Nodes have more drives per rack unit
Proactive hot sparing eliminates most drive rebuilds
D. OneFS protects data rather than rebuilding drives
Splitting drives into failure domains reduces risk

**Answer:** D

**QUESTION 15**
Where does SmartCache stage its write cache?

A. SSD
B. DISK
C. NVRAM
D. DRAM

**Answer:** C

**QUESTION 16**
Following Dell best practices, at what capacity consumption should an organization begin the process of ordering more nodes to add to a cluster?

A. 80%
B. 85%
C. 75%
D. 70%

**Answer:** A

**QUESTION 17**
What are characteristics of the streaming data access pattern on a PowerScale Gen6 cluster?

A. Single stream workflows, very aggressive prefetching
B. Clients accessing the same data, aggressive prefetching
C. Multiple stream workflows, no prefetching
D. Clients accessing the same data, moderate prefetching

**Answer:** A

**QUESTION 18**
Which SmartConnect policies are used for workloads that have short lived connections such as HTTP and FTP?

A. Connection count and round robin
B. Round robin and CPU usage
C. Throughput and CPU usage
D. Throughput and connection count

**Answer:** A

**QUESTION 19**
When a Gen 6 Isilon cluster receives a file to be stored, which node(s) performs the FEC calculation?

A. Node to which the client is connected
B. Each node in the cluster
C. First node in each node pair
D. Node that will be holding the FEC

**Answer:** A

**QUESTION 20**
By default, which method is used by Isilon OneFS for SSDs?

A. Metadata read acceleration
B. Metadata read/write acceleration
C. Data on SSDs
D. Avoid SSDs

**Answer:** A

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