Dell Powerscale Design 2023 Exam

1. A telecommunications company has a substantial amount of data. This data is being created by network elements within their environment. The company wants to change the way the network elements Call Detail Records (CDR) are stored and analyzed.

> A. Copy the CDRs from the source to an Isilon cluster with NFS, then ingest the information into Hadoop for analysis

> B. Write the CDRs directly to an Isilon cluster with an NFS mount, then use Hadoop to analyze the information directly over HDFS

> C. Copy the CDRs from the source to an Isilon cluster with NFS, then use Hadoop to analyze the information directly over HDFS

> D. Write the CDRs directly to an Isilon cluster with an NFS mount, then ingest the information into Hadoop with NFS then analyze

Answer(s): B

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2. We have been engaged by a research hospital to help upgrade their Isilon installation. They currently have 12 previous generation Isilon nodes with 200 TB of capacity and run on a 1 Gbps network.

> A. 4.8 TB

> B. 14.4 TB

> C. 9.6 TB

> D. 1.2 TB

Answer(s): C

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3. Which feature will provide data immutability without the ability for the administrator to delete the files under any condition?

A. Enterprise SmartLock

B. Access Control Entries

C. Compliance SmartLock

D. Role-based Access Controls

Answer(s): C

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4. In OneFS, where are verification checksums stored?

A. Metadata checksums are stored in the metadata blocksFile data checksums are stored in the metadata blocks

B. Metadata checksums are stored in the LINFile data checksums are stored in the file data blocks

C. Metadata checksums are stored in the file data blocksFile data checksums are stored in the file data blocks

D. Metadata checksums are stored in the metadata blocksFile data checksums are stored in the file data blocks

Answer(s): A

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5. A customer is considering using the CloudPools feature to send archive data to their on premises object storage appliance. The customer needs to know how many objects will be created by the Isilon when it tiers files using CloudPools.

A. 336

B. 52

C. 5376

D. 26

Answer(s): D

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6. Which operational consideration is used in the Isilon Sizing Tool to determine the recommended data protection?

A. MTTRC

B. MTTDL

C. MTBF

D. MTTR

Answer(s): B

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7. Refer to Exhibit below.

A. Directory quota cannot exceed 2 TB for both /ifs/data/media and /ifs/data/media/photo.Directory quota cannot exceed 900 GB for /ifs/data/media/video.Directory quota can be any size up to 2 TB for /ifs/data/media/temp.

B. Directory quota cannot exceed 2 TB for both /ifs/data/media and /ifs/data/media/photo.Directory quota cannot exceed 900 GB for /ifs/data/media/video.Directory quota can be any size up to 2 TB and each user can only store 75 GB for /ifs/data/media/temp.

C. Directory quota cannot exceed 2 TB for /ifs/data/media and no quota limit on /ifs/data/media/photo.Directory quota cannot exceed 900 GB for /ifs/data/media/video.Directory quota can be any size up to 2 TB and each user can only store 75 GB for /ifs/data/media/temp.

D. Directory quota cannot exceed 2 TB for both /ifs/data/media and /ifs/data/media/photo.Directory quota cannot exceed 900 GB for /ifs/data/media/video.Directory quota can be any size up to 900 GB and each user can only store 75 GB for/ifs/data/media/temp.

Answer(s): C

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8. A large manufacturing company is an existing Isilon customer with a cluster consisting of four NL400 nodes with 4TB drives. The cluster is using N+2:1 protection level and the file system shows that it is

A. Mount an NFS share to a node on the Isilon cluster, being careful to equally distribute the load across nodes.

B. Utilize SMB2.1 protocol and mount to the Isilon cluster using the Name Server (NS) record IP.

C. Create an FQDN for the Isilon cluster in the LMHOSTS file for each engineering system.

D. Direct all clients to use the Manufacturing DNS server and connect NFS mounts to the FQDN of the Isilon cluster.

Answer(s): D

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9. A customer has two Isilon clusters. Cluster 1 has eight H500 nodes and cluster 2 has twelve H500 nodes. The customer needs to be able to monitor real time performance data of the clusters as well as track file growth.

A. InsightIQ

B. Unisphere

C. isi statistics

D. Data Insights

Answer(s): A

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10. What are attributes of FTPS?

A. Uses FTP protocolDoes not support web servicesUses port 22

B. Uses FTP protocolSupports web servicesDoes not require client software

C. Does not use FTP protocolSupports web servicesRequires client software

D. Uses FTP protocolSupports web servicesRequires client software

Answer(s): D

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11. A customer wishes to back up their Isilon cluster via NDMP using a software package that supports NDMP connectivity. The backup process will require the cluster to create a point-in-time copy of the directory to be backed up.

A. NDMP only

B. No additional licenses are required

C. SnapshotIQ only

D. SnapshotIQ and NDMP

Answer(s): D

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12. A customer has a large, multi-tier PowerScale Gen6 cluster storing home directories and critical file share data.

A. SyncIQ

B. File Filtering

C. SmartConnect

D. SmartPools

Answer(s): D

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13. Your customer's site uses an old X-Series cluster, and they are interested in consolidating their two primary workflows. iostat shows that one of the applications is sensitive to latency, while isi statistics indicates sensitivity to disk response times. There are approximately 1000 users accessing 70 TB of file data.

A. S200

B. X200

C. NL400

D. X400

Answer(s): A

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14. A customer has grown 2 PB in the last year. The cluster performs well most times of the day, but occasionally during the day, the customer notices a decrease in performance. You have been told that

A. Add 20% more nodes to the cluster to help with degraded performance.

B. Add an SSD tier for metadata, ensuring all nodes have SSDs.

C. Use an A100 node for added CPU performance to help with 'tree-deletes.'

D. Add an SSD node tier for metadata to account for at least 2% of RAW capacity

Answer(s): B

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15. 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.

A. PowerSizer

B. Iometer

C. Power Calculator

D. SolVE Online

Answer(s): A

16. What is the recommended HTTP connection count per node so that the PowerScale cluster performance and client connections are unaffected?

A. 2,000

B. 1,000

C. 100

D. 500

Answer(s): D

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17. Which SyncIQ policy is required if the goal is to have all source data replicated and to retain deleted files?

A. AutoBalance Policy

B. Async Policy

C. Sync Policy

D. Copy Policy

Answer(s): D

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18. A media and entertainment company has asked for help in creating a new Video On Demand (VOD) storage system. The storage would be delivered to 5000 subscribers simultaneously. They would like to store 5000 hours of full length, High Definition (HD) movies.

A. X400 with no SSD and 96GB RAM

B. X200 with no SSD and 48GB RAM

C. X400 with 1.6TB SSD and 24GB RAM

D. Mixed X400 48GB RAM and NL400 24GB

Answer(s): A

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19. In OneFS 7.2.1, which job engine job will override and pause all other jobs when triggered by an event?

A. Integrity Scan

B. Flex Protect

C. Media Scan

D. AVScan

Answer(s): B

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20. Your customer has a new business unit. They are gathering web log files to be analyzed. They are using Hadoop to do the analysis of the logs. The IT department is centrally storing the log files on a 5- node Isilon cluster.

A. Two

B. One

C. Five

D. Three

Answer(s): C