1Z0-1089-20 Q&As

Oracle Cloud Infrastructure 2020 HPC and Big Data Solutions Associate

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QUESTION 1

You are architecting the infrastructure for a file system.

What are the different criteria you should use, and in what order to build a filesystem for optimal performance?

A. Network Bandwidth > Number of Compute Cores/RAM > Storage

B. Storage > Network Bandwidth > Number of Compute Cores/RAM

C. Number of Compute Cores/RAM > Storage > Network Bandwidth

D. Network Bandwidth > Storage > Number of Compute Cores/RAM

Correct Answer: A

QUESTION 2

On Oracle Cloud Infrastructure (OCI), a customer wants to build a 3TB fllesystem for high throughput-oriented workloads.

Which action provides the highest IO throughput using OCI block volumes for storage?

A. Attach one Block volume of 3TB volume size and use fllesystem Block size of 256K or lower.

B. Attach one Block volume of 3TB volume size and use fllesystem Block size of 1M or higher.

C. Attach three Block volumes of 1TB each and use fllesystem Block size of 256K or lower.

D. Attach three Block volumes of 1TB each and use filesystem Block size of 1M or higher.

Correct Answer: A

QUESTION 3

When running a high memory workload, what should be your machine of choice?

A. BM.Standard.E2.64

B. BM.Standard.E3.128

C. BM.HPC2.36

D. BM.GPU3.8

Correct Answer: B

QUESTION 4

A customer has a very busy workload. The model is very large (1 PB range) and only some small files are updated for new jobs. Throughput needed during the run is roughly 25GB/s.

What Is a fast and cost-conscious way to handle the file system?

A. Put the data in object storage, and mount It using s3fs-fuse project.

B. Build a file-system using NVMe on Dense shapes. Then move the data to object storage when not needed.

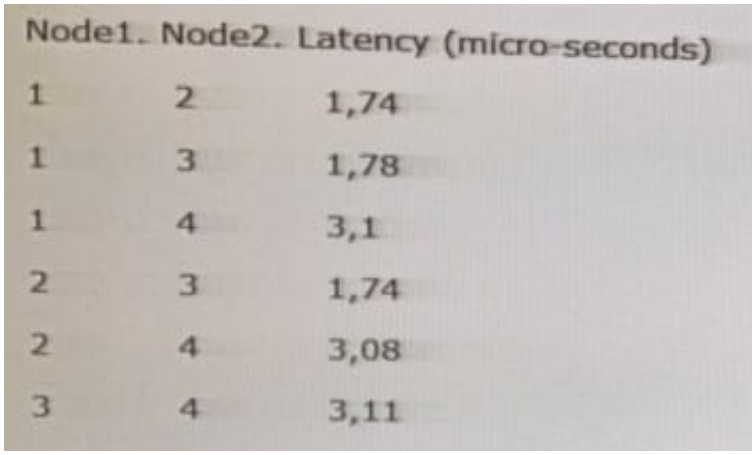
C. Build a file system using Block volumes and Standard BMs, take advantage of the different block volume performances levels.

D. Use NVMe on HPC shapes to build a File System with the RDMA connection.

Correct Answer: B

QUESTION 5

On a RDMA cluster, a latency test was conducted, with these results: What should you do?



Node1.	Node2.	Latency (micro-seconds)
1	2	1,74
1	3	1,78
1	4	3,1
2	3	1,74
2	4	3,08
3	4	3,11

A. Nothing, this behavior is normal.

B. Latency Is not critical, check the bandwidth.

C. Rerun the test and see If It Is consistent.

D. Report the higher latency through a SR.

Correct Answer: A