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QUESTION 1

You are comparing different processors for Monte-Carlo simulation with millions of single core executions. What frequency will have the highest impact on the "time to solution" ?

- A. All Core Turbo Frequency
- B. Base Frequency
- C. Only the network throughput will influence Monte Carlo simulations.
- D. Turbo Frequency

Correct Answer: D

QUESTION 2

A customer ran a Job on 2 BM.HPC2.36, and the job took 4 hours using 32 cores of each node. They later ran on 4 nodes and the Job took 3 hours. What Is the efficiency gained?

- A. 100%
- B. 50%
- C. 66%
- D. 75%

Correct Answer: B

QUESTION 3

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 4

You have two different workloads, workload 1 does not scale very well (~100 cores) and requires a very high memory bandwidth, and a workload 2 that is compute bound and IO intensive.

Which Instances should you select?

- A. 1: BM.HPC2.36 2: BM.Standard.2.52
- B. 1: BM.Standard.E3.128 2: BM.HPC2.36
- C. 1: BM.HPC2.36 2: BM.Standard.E3-128
- D. 1: BM.Standard-2.52 2: BM.HPC2-36

Correct Answer: C

QUESTION 5

You are building a file system of 10TB Storage Capacity with only one file server using "Balanced Elastic Performance tier" Oracle Cloud Infrastructure (OCI) Block Volume Storage. Balanced Elastic Performance tier throughput scales at 480 KBPS/GB up to a maximum of 480 MBPS per volume.

Which two options are correct about how many Block Volumes you can attach to the file server to get maximum IO throughput?

- A. One Block Volume of 10TB size
- B. 10 Block Volumes of 1TB size
- C. 8 Block Volumes of 1.25TB size
- D. 20 Block Volumes of 500GB size

Correct Answer: A

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