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QUESTION 1

Which Message Passing Interface (MPI) distribution is NOT available today?

- A. OCI MPI
- B. Intel MPI
- C. Platform MPI
- D. Open MPI

Correct Answer: B

QUESTION 2

You are building a filesystem to maximize throughput of large files using high performance block volume and BM.Standard2.52 as file server.

Which block volume configuration should you choose to ensure aggregate Block volume throughput is higher than network bandwidth of a file server?

- A. 32 Block Volumes of 800GB
- B. 5 Block Volume of 32 TB
- C. 6 Block Volumes of 32 TB
- D. 7 Block Volumes of 800GB

Correct Answer: D

QUESTION 3

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 4

Which two performance metrics can be used to trigger scaling actions In Autoscaling?

- A. Network latency
- B. Memory utilization
- C. Network throughput
- D. Disk IOPS
- E. CPU utilization

Correct Answer: BC

QUESTION 5

You are building a file system that needs to handle large files with a lot of nodes reading at the same time. What minimum size of block volume maximizes throughput for large files?

- A. 800GB
- B. 1TB
- C. 32TB
- D. 500GB

Correct Answer: A

QUESTION 6

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

QUESTION 7

A file system is built using BM.Standard2.52 Compute shape for File Servers. One 25 Gbps NIC/network card is used to

connect to 10 Block Volumes of 1TB each (max. 4#0MB/s per volume). The other 25 Gbps NIC is used for sending/receiving data to/from client nodes.

File system client instances which mount the file system are provisioned using VM.Standard2.16 Compute shapes. (Network bandwidth: 16.4Gbps(2050 MB/s))

What is the max IO theoretical throughput a client node can get?

- A. 2050 MB/s
- B. 4800 MB/s
- C. 3125 MB/s
- D. 6250 MB/s

Correct Answer: C

QUESTION 8

A customer is hesitating between running BM.Standard.E3.128 or HPC2.36 for his workload. Which statement would disqualify the AMD chip without any benchmark?

- A. IO speed has a huge impact.
- B. Total number of processes is between 48 and 128 cores and can use RDMA.
- C. The workload requires about 4GB/core of memory.
- D. The workload is embarrassingly parallel.

Correct Answer: D

QUESTION 9

Which performance benchmark tool CANNOT be used to measure IO throughput for Linux based filesystems?

- A. IOR
- B. IO500
- C. Vdbench
- D. FIO
- E. iPerf

Correct Answer: A

QUESTION 10

Which two Oracle Cloud Infrastructure (OCI) shapes are a good choice for Spark based workloads?

- A. HPC
- B. VM Standard
- C. BM Standard
- D. GPU

Correct Answer: AC

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