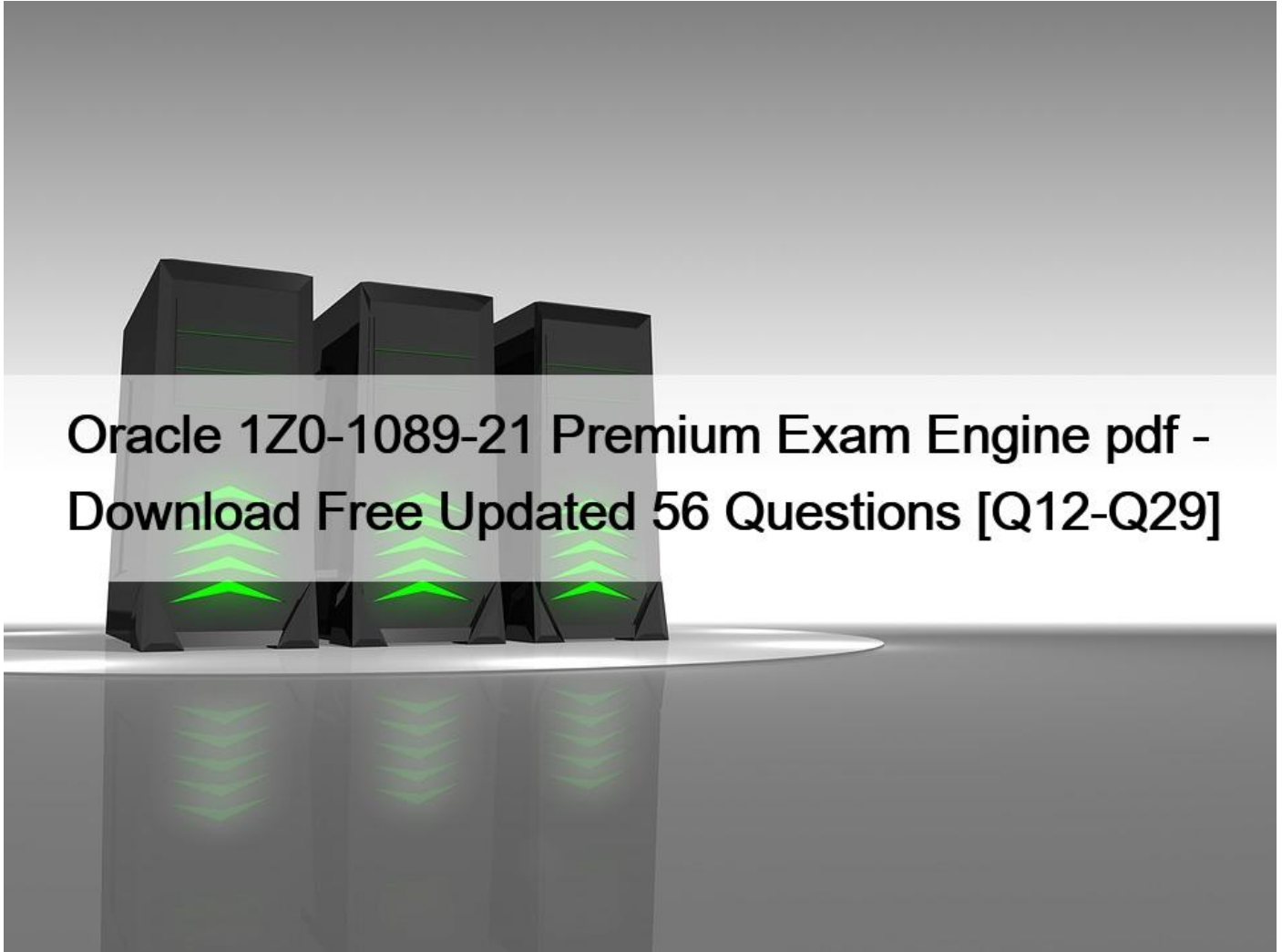


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NEW QUESTION 12

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?

- * Network Bandwidth > Number of Compute Cores/RAM > Storage
- * Storage > Network Bandwidth > Number of Compute Cores/RAM
- * Number of Compute Cores/RAM > Storage > Network Bandwidth
- * Network Bandwidth > Storage > Number of Compute Cores/RAM

NEW QUESTION 13

What minimum size of block volume with Balanced performance tier maximizes throughput for large files?

- * 10TB
- * 1TB
- * 32TB
- * 100GB

NEW QUESTION 14

What does the Terasort phase of the Terasort benchmark do?

- * It maps and reduces source data in a parallel manner, leveraging data locality to minimize network transfer.
- * It randomly maps source data and reduces output to a smaller data set,
- * It maps and reduces one terabyte of data into a smaller data set.
- * It randomly maps source data and increases output to a bigger data set.

NEW QUESTION 15

You are building a file system that needs to handle large files with a lot of nodes reading at the same time.

What should be your main goal?

- * Maximize Latency while keeping throughput above a certain threshold.
- * Maximize throughput.
- * Minimize latency.
- * Minimize throughput while keeping the latency low.

NEW QUESTION 16

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

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

- * Attach one Block volume of 3TB volume size and use filesystem Block size of 256K or lower.
- * Attach one Block volume of 3TB volume size and use filesystem Block size of 1M or higher.
- * Attach three Block volumes of 1TB each and use filesystem Block size of 256K or lower.
- * Attach three Block volumes of 1TB each and use filesystem Block size of 1M or higher.

NEW QUESTION 17

Which benchmark is important to a customer when considering OLTP Data workloads on Oracle Cloud Infrastructure (OCI)?

- * TPC-DS
- * TPC-DI
- * TPC-C
- * Terasort

NEW QUESTION 18

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

- * BM.Standard.E2.64
- * BM.Standard.E3.128
- * BM.HPC2.36
- * BM.GPU3.8

NEW QUESTION 19

What are two different types of Storage offerings available to build a filesystem on Oracle Cloud infrastructure (OCI)?

- * Block Volume Service
- * Local NVMe SSDs on DenseIO and HPC compute shapes
- * File Storage
- * Object Storage

NEW QUESTION 20

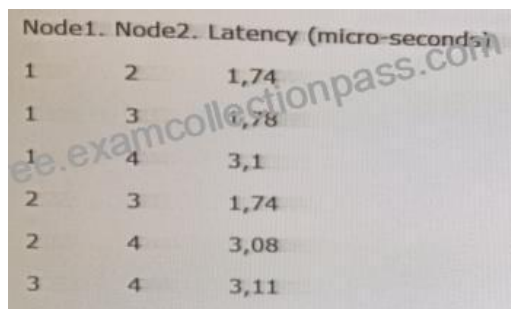
On Oracle Cloud Infrastructure (OCI), a customer wants to build a 3TB filesystem for high IOPS workloads (like relational databases, small files, etc).

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

- * Attach one Block volume of 3TB volume size and use filesystem Block size of 4K.
- * Attach one Block volume of 3TB volume size and use filesystem Block size of 2M or higher.
- * Attach three Block volumes of 1TB each and use filesystem Block size of 2M or higher.
- * Attach three Block volumes of 1TB each and use filesystem Block size of 4K.

NEW QUESTION 21

On a RDMA cluster, a latency test was conducted, with these results:



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

What should you do?

- * Nothing, this behavior is normal.
- * Latency Is not critical, check the bandwidth.
- * Rerun the test and see If It Is consistent.
- * Report the higher latency through a SR.

NEW QUESTION 22

Which two options are valid when configuring health check policies in Oracle Cloud Infrastructure (OCI) Load Balancing?

- * FTP level health checks
- * TCP level health checks
- * UDP level health checks
- * HTTP level health checks

NEW QUESTION 23

A customer ran aJob 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?

- * 100%
- * 50%
- * 66%
- * 75%

NEW QUESTION 24

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?

- * 2050 MB/s
- * 4800 MB/s
- * 3125 MB/s
- * 6250 MB/s

NEW QUESTION 25

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?

- * 800GB
- * 1TB
- * 32TB
- * 500GB

NEW QUESTION 26

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?

- * Put the data in object storage, and mount It using s3fs-fuse project.
- * Build a file-system using NVMe on Dense shapes. Then move the data to object storage when not needed.
- * Build a file system using Block volumes and Standard BMs, take advantage of the different block volume performances levels.
- * Use NVMe on HPC shapes to build a File Systemwith the RDMA connection.

NEW QUESTION 27

Which statement Is correct about deleting an Instance Pool?

- * Nothing will be deleted.
- * Instances and boot volumes will be deleted.
- * Associated Instances and attached boot volumes will be deleted; block volumes will be detached.
- * Instances and block volumes will be deleted.

- * Only the Instances will be deleted.

NEW QUESTION 28

Which is an accurate analogy for Amdahl's law?

- * There is no such thing as a free lunch.
- * An orchestra can only play well together if they have a great conductor.
- * When chopping vegetables to prepare a 4 person-meal, 2 persons are going twice as fast as one, but 8 people may not be 8 times faster.
- * In track and field, the 4x100m relay is only 17% faster than the world record for individual 400m.

NEW QUESTION 29

A Linux visualization instance is in a public subnet with security list 0.0.0.0/0 for TCP port 22. What other rule do you absolutely need to be able to connect remotely?

- * Open all protocols for your specific IP address.
- * Create a Stateless Egress rule for port 22-
- * Open TCP ports 5900 to 5910 for 0.0.0.0/0.
- * No other additional rules are needed. It is possible to connect as is.

Oracle 1Z0-1089-21 Exam Syllabus Topics:

Topic Details
Topic 1- Identify Advantages of running big data on OCI- Deploy monitoring mechanisms that ensure cost and resource optimization based on business requirements
Topic 2- Deploy a dynamically scalable, highly available and resilient compute solution based on technical requirements- Implement and Operate HPC solutions on OCI
Topic 3- Explain how to deploy and use Data Science platform- Differentiate the various big data solutions and data services on OCI
Topic 4- Design a solution infrastructure that meets defined success measurements- Describe HPC Architecture Overview
Topic 5- Use Guidance and best practice for deploying HPC products on OCI- Design, Implement and Operate Scale-Out solutions on OCI
Topic 6- Explain How to deploy and use GPU instances for AI- ML workloads- Align with business and technical requirement for scale-out workloads

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