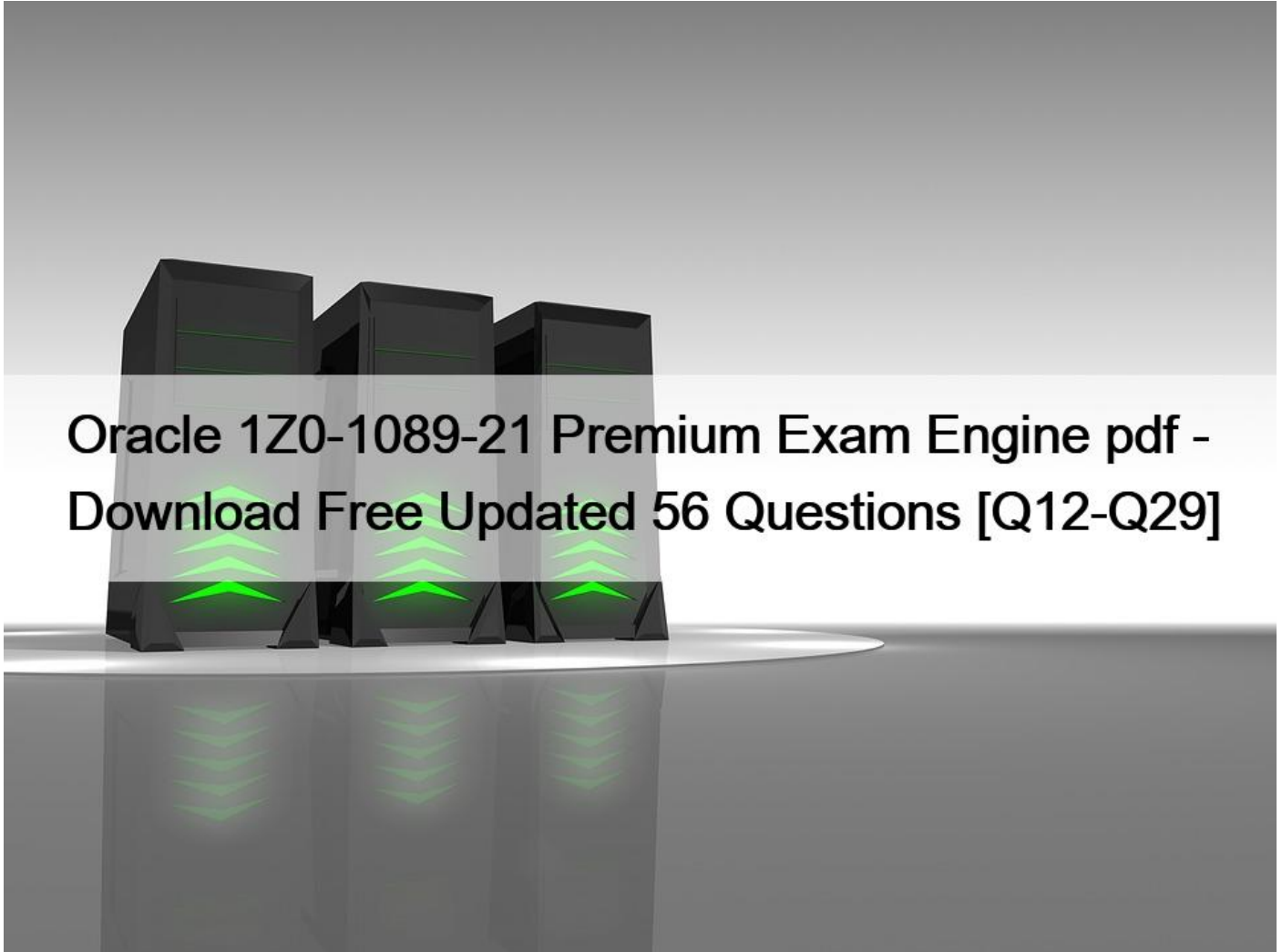


## Oracle 1Z0-1089-21 Premium Exam Engine pdf - Download Free Updated 56 Questions [Q12-Q29]



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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 OLAP 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

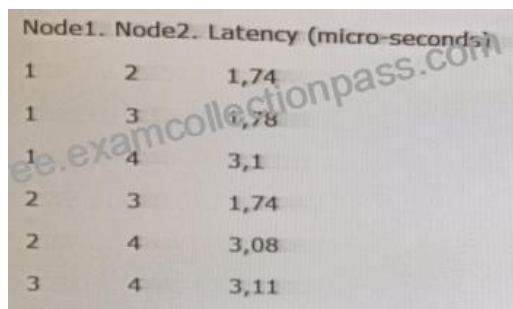
On Oracle Cloud Infrastructure (OCI), a customer wants to build a 3TB filesystem for high IOPS workloads (like relational databases, small files, etc).

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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