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Exam Associate Cloud Engineer All Questions

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EXAM ASSOCIATE CLOUD ENGINEER TOPIC 1 QUESTION 174 DISCUSSION

Actual exam question from Google's Associate Cloud Engineer

Question #: 174

Topic #: 1

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You are about to deploy a new Enterprise Resource Planning (ERP) system on Google Cloud. The application holds the full database in-memory for fast data access, and you need to configure the most appropriate resources on Google Cloud for this application. What should you do?

- A. Provision preemptible Compute Engine instances.
- B. Provision Compute Engine instances with GPUs attached.
- C. Provision Compute Engine instances with local SSDs attached.
- D. Provision Compute Engine instances with M1 machine type.

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by [mj98](#) at April 30, 2021, 10:52 a.m.

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[Rightsaidfred](#) [Highly Voted](#) 3 years, 5 months ago

Yes D, M1 Machine types for ERP i.e. SAP-HANA:
<https://cloud.google.com/compute/docs/machine-types>

upvoted 31 times

denno22 Most Recent 1 week, 4 days ago

Selected Answer: D

D

upvoted 1 times

Captain1212 1 year, 1 month ago

Selected Answer: D

D is the right answer as M1 one are best for the databases i.e SAP hana

upvoted 3 times

Bobbybash 1 year, 8 months ago

C. Provision Compute Engine instances with local SSDs attached.

The best option for an ERP system that holds the full database in-memory for fast data access is to provision Compute Engine instances with local SSDs attached. Local SSDs offer high input/output operations per second (IOPS) and low latency, which can significantly improve the performance of in-memory databases. Preemptible Compute Engine instances are designed for short-lived and fault-tolerant workloads and are not recommended for a critical system like an ERP. GPUs are typically used for specialized compute-intensive workloads like machine learning and deep learning. M1 machine type is a general-purpose machine type and may not provide enough performance for an in-memory database.

upvoted 4 times

Charumathi 2 years ago

Selected Answer: D

D is the correct answer,

M1 machine series

Medium in-memory databases such as SAP HANA

Tasks that require intensive use of memory with higher memory-to-vCPU ratios than the general-purpose high-memory machine types.

In-memory databases and in-memory analytics, business warehousing (BW) workloads, genomics analysis, SQL analysis services.

Microsoft SQL Server and similar databases.

upvoted 3 times

snkhatri 2 years, 1 month ago

D, keyword "Full database in-memory "

upvoted 1 times

ryumada 2 years, 2 months ago

Selected Answer: D

Vote for D as the right answer. M1 machine type is the one of two Memory-Optimized machine types in GCP.

<https://cloud.google.com/compute/docs/machine-types>

upvoted 2 times

ryumada 2 years, 2 months ago

Read this also to see the difference of the two.

<https://cloud.google.com/compute/docs/memory-optimized-machines>

upvoted 1 times

abirroy 2 years, 2 months ago

Selected Answer: D

D: M1 Machine types for ERP i.e. SAP-HANA

Medium-large in-memory databases such as SAP HANA

In-memory databases and in-memory analytics

Microsoft SQL Server and similar databases

upvoted 2 times

AzureDP900 2 years, 4 months ago

D is right choice, when answer selected by author is C doesn't make any sense. User also need to understand the services well before attempting exam.

upvoted 1 times

akshaychavan7 2 years, 5 months ago

I chose option D, because the first three didn't make any sense :D


   upvoted 1 times

  Raz0r 2 years, 9 months ago

D!!!

The "M1" VM type is right, it offers between 1.4TB and 3.75TB of RAM.

   upvoted 3 times

  [Removed] 2 years, 10 months ago

<https://cloud.google.com/compute/docs/machine-types#:~:text=databases%20such%20as-,SAP%20HANA,-ln%2Dmemory%20databases>

<https://www.sap.com/india/products/hana.html#:~:text=is%20SAP%20HANA-,in%2Dmemory,-database%3F>

   upvoted 1 times

  jaffarali 2 years, 10 months ago

Selected Answer: D

Correct Answer is D

   upvoted 1 times

  alaahakim 2 years, 11 months ago

D is the Answer

   upvoted 1 times

  maggieli 2 years, 11 months ago


"m1-megamem-96" can attach local SSD. Correct is D.

   upvoted 1 times

  jackdbd 3 years, 2 months ago

Note that VM instances m1-megamem-96 are both from the M1 family AND can have local SSDs attached to them.

https://cloud.google.com/compute/docs/memory-optimized-machines#m1_vms

   upvoted 2 times

  associatecloudexamuser 3 years, 3 months ago

Answer is D.

Applications of Memory optimized VMs are,

1. Medium-large in-memory databases such as SAP HANA
2. In-memory databases and in-memory analytics
3. Microsoft SQL Server and similar databases

   upvoted 4 times

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