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EXAM ASSOCIATE CLOUD ENGINEER TOPIC 1 QUESTION 154 DISCUSSION

Actual exam question from Google's Associate Cloud Engineer
Question #: 154
Topic #: 1
[All Associate Cloud Engineer Questions]

You have been asked to set up Object Lifecycle Management for objects stored in storage buckets. The objects are written once and accessed frequently for 30 days. After 30 days, the objects are not read again unless there is a special need. The objects should be kept for three years, and you need to minimize cost.
What should you do?

A. Set up a policy that uses Nearline storage for 30 days and then moves to Archive storage for three years.

B. Set up a policy that uses Standard storage for 30 days and then moves to Archive storage for three years.

C. Set up a policy that uses Nearline storage for 30 days, then moves the Coldline for one year, and then moves to Archive storage for two years.

D. Set up a policy that uses Standard storage for 30 days, then moves to Coldline for one year, and then moves to Archive storage for two years.

Show Suggested Answer

by SSPC at *Aug. 11, 2020, 4:34 p.m.*

Comments

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ESP_SAP Highly Voted 4 years, 2 months ago

Correct Answer is (B):

The key to understand the requirement is : "The objects are written once and accessed frequently for 30 days"
Standard Storage
Standard Storage is best for data that is frequently accessed ("hot" data) and/or stored for only brief periods of time.

Archive Storage
Archive Storage is the lowest-cost, highly durable storage service for data archiving, online backup, and disaster recovery. Unlike the "coldest" storage services offered by other Cloud providers, your data is available within milliseconds, not hours or days. Archive Storage is the best choice for data that you plan to access less than once a year.

https://cloud.google.com/storage/docs/storage-classes#standard

upvoted 54 times

naveedpk00 4 years, 1 month ago

What if we chose option D to minimize the cost as asked in the question? What do you think?

upvoted 1 times

gcper 4 years ago

It doesn't minimize the costs. Check the costs of coldline vs archival

upvoted 5 times

SSPC Highly Voted 4 years, 2 months ago

I think the correct one is B. Because Nearline has a 30-day minimum storage duration.
https://cloud.google.com/storage/docs/storage-classes

upvoted 15 times

pepepy 4 years, 2 months ago

The object should be kept for three years, and you need to minimize cost, after 30 days it will be moved to archive, ans A

upvoted 1 times

pepepy 4 years, 2 months ago

Sorry you are right accessed frequently for 30 days, its B

upvoted 6 times

Tanidanindo Most Recent 9 months ago

Selected Answer: B

The objects are written once and accessed frequently for 30 days. Then rarely accessed.

upvoted 1 times

Jin1206t 11 months, 2 weeks ago

Selected Answer: B

B is the correct answer

upvoted 1 times

scanner2 1 year, 1 month ago

Selected Answer: B

Key terms frequently accessed for 30 days -> Standard storage class.
Not accessed unless special need for 3 years -> Archive storage class.

upvoted 2 times

Captain1212 1 year, 1 month ago

Selected Answer: B

B is the correct answer, as the data for first 30 days in accessed frequently so for it we can use the standard , and after it to minimize the cost we can use the archive storage for 3 years

upvoted 1 times

ashtonez 1 year, 7 months ago

Answer is B, we cannot select A because data is accedesed frequently and nearline only allows access once per month (you can access more incurring in aditional cost but being not a cost optimized selection)

upvoted 1 times

thaliath 1 year, 9 months ago

Answer is A: there is a retrieval fee for data access from nearline. Please check https://cloud.google.com/storage/docs/storage-classes. So Standard storage is the cheaper option

upvoted 1 times

Charumathi 2 years ago

Selected Answer: B

B is the correct Answer,
Frequently accessed data 'Hot Data' should be stored in Standard Storage for 30 days,
Then this can be moved to Archive after 30 days for period of three years which is accessed only when a special need arises, to reduce cost.

upvoted 1 times

taiyi078 2 years, 3 months ago

https://cloud.google.com/storage/docs/storage-classes#nearline

Nearline storage is ideal for data you plan to read or modify on average once per month or less. For example, if you want to continuously add files to Cloud Storage and plan to access those files once a month for analysis, Nearline storage is a great choice.

Nearline storage is also appropriate for data backup, long-tail multimedia content, and data archiving. Note, however, that for data accessed less frequently than once a quarter, Coldline storage or Archive storage are more cost-effective, as they offer lower storage costs.

upvoted 1 times

taiyi078 2 years, 3 months ago

Nearline storage is a low-cost, highly durable storage service for storing infrequently accessed data. Nearline storage is a better choice than Standard storage in scenarios where slightly lower availability, a 30-day minimum storage duration, and costs for data access are acceptable trade-offs for lowered at-rest storage costs.

upvoted 1 times

AzureDP900 2 years, 4 months ago

B is right

upvoted 1 times

AzureDP900 2 years, 3 months ago

I am changing it to D. Set up a policy that uses Standard storage for 30 days, then moves to Coldline for one year, and then moves to Archive storage for two years.

upvoted 2 times

Shweta2jun 1 year, 5 months ago

Is B right or D?

upvoted 1 times

pluiedust 2 years, 7 months ago

Selected Answer: B

B for sure

upvoted 1 times

SleepyHitman 2 years, 9 months ago

Selected Answer: B

The answer is: B

Standard storage description:
https://cloud.google.com/storage/docs/storage-classes#:~:text=Standard%20Storage%20is%20best%20for%20data%20that%20is%20frequently%20accessed%20(%22hot%22%20data)%20and/or%20stored%20for%20only%20brief%20periods%20of%20time.

Nearline storage imp description:
https://cloud.google.com/storage/docs/storage-classes#:~:text=storage%20service%20for-,storing%20infrequently%20accessed%20data.,-Nearline%20Storage%20is

Pricing for frequent access:
https://cloud.google.com/storage/pricing#:~:text=Free%20operations-,Standard%20Storage,Free,-Coldline%20Storage

upvoted 4 times

Surat 2 years, 9 months ago

Standard – Frequently access and short period
Nearline - Low cost, highly durable for infrequent data access, lower availability
Coldline –Very low cost, highly durable for infrequently accessed, 90 days minimum storage
Archive - Lowest cost, highly durable for archiving, backup and DR, lower availability
I will also go for B

upvoted 4 times

fazalmf 2 years, 10 months ago

B. Set up a policy that uses Standard storage for 30 days and then moves to Archive storage for three years.
_ clearly mentioned data access frequently for 30days and then object not read again until special need (archive suitable).

upvoted 1 times

Naren080914 2 years, 10 months ago

Selected Answer: B

If you access frequently in Nearline, it will cost you more. There is no retrieval cost for Standard. So for frequently accessed object, go with standard. Also in Standard, there is no minimum period to store the object, so don't get confused by 30 days. Ans is B.

upvoted 1 times

alaahakim 2 years, 11 months ago

Vote For B

upvoted 1 times

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