Google Discussions

EXAM ASSOCIATE CLOUD ENGINEER TOPIC 1 QUESTION 41 DISCUSSION

Actual exam question from Google's Associate Cloud Engineer
Question #: 41
Topic #: 1
[All Associate Cloud Engineer Questions]

You have 32 GB of data in a single file that you need to upload to a Nearline Storage bucket. The WAN connection you are using is rated at 1 Gbps, and you are the only one on the connection. You want to use as much of the rated 1 Gbps as possible to transfer the file rapidly. How should you upload the file?

A. Use the GCP Console to transfer the file instead of gsutil.

B. Enable parallel composite uploads using gsutil on the file transfer.

C. Decrease the TCP window size on the machine initiating the transfer.

D. Change the storage class of the bucket from Nearline to Multi-Regional.

Show Suggested Answer

by ahmed812 at *April 5, 2020, 1:48 p.m.*

Comments

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leba Highly Voted 4 years, 5 months ago

Correct answer is B as the bandwidth is good and its a single file, gsutil parallel composite uploads can be used to split the large file and upload in parallel.Refer GCP documentation - Transferring Data to GCP &amp

upvoted 45 times

berezinsn Highly Voted 4 years, 5 months ago

Truly B is absolutely correct

upvoted 17 times

sh00001 Most Recent 3 months, 3 weeks ago

B- Enable parallel composite uploads using gsutil on the file transfer.

This option is correct because parallel composite uploads can break down a large file into smaller components, upload them in parallel, and recombine them into a single object in the cloud. This method takes advantage of the available bandwidth more efficiently than serial uploads, as it can simultaneously transmit multiple parts of the file over the network. The gsutil tool has a -o option that allows enabling of parallel composite uploads.

upvoted 2 times

subha.elumalai 5 months ago

Correct Answer: B

upvoted 1 times

kenjaixv 1 year, 1 month ago

The best option to upload the file is B. Enable parallel composite uploads using gsutil on the file transfer. This is because parallel composite uploads can speed up the upload of large files by dividing them into chue upload time.

The other options are not as effective or feasible as option B:
Option A. Use the GCP Console to transfer the file instead of gsutil is not a good choice because the GCP Console has a limit of 5 GB per file upload.

Option C. Decrease the TCP window size on the machine initiating the transfer is not advisable because it would reduce the amount of data that can be sent before receiving an acknowledgment, which could lead to lower throughput and higher latency.

Option D. Change the storage class of the bucket from Nearline to Multi-Regional is not relevant to the upload speed, as it only affects the availability and cost of storing and accessing the data.

upvoted 5 times

Captain1212 1 year, 1 month ago

Selected Answer: B

b is legit correct as it helps you more to increase the speed.

upvoted 1 times

sthapit 1 year, 2 months ago

Parallel composite is the right ans

upvoted 1 times

Partha117 1 year, 7 months ago

Selected Answer: B

B is correct

upvoted 1 times

Buruguduystunstugudunstuy 1 year, 8 months ago

Selected Answer: B

Answer B is correct. Enable parallel composite uploads using gsutil on the file transfer.

The most efficient way to upload the large file to Nearline Storage bucket using a single WAN connection rated at 1 Gbps is to enable parallel composite uploads using gsutil. By default, gsutil uses a single thread to upload a single object. But with parallel composite uploads, gsutil will split the file into smaller chunks and upload these chunks in parallel using multiple threads. This will allow the file to be uploaded faster and more efficiently.

https://cloud.google.com/storage/docs/parallel-composite-uploads

upvoted 10 times

Neo29 1 year, 8 months ago

Selected Answer: B

B is correct Answer

upvoted 1 times

HiddenClouds 1 year, 9 months ago

Selected Answer: B

Just passed my exam and this question is on the exam, the correct answer is B

upvoted 3 times

leogor 1 year, 12 months ago

Selected Answer: B

parallel composite uploads

upvoted 1 times

AzureDP900 2 years, 4 months ago

B is right
https://cloud.google.com/storage/docs/parallel-composite-uploads

upvoted 3 times

lmttt 2 years, 5 months ago

Selected Answer: B

b is right

upvoted 2 times

Ery 2 years, 6 months ago

Selected Answer: B

youtube.com/watch?v=NIevtGlo-E0 slice upload elephant file

upvoted 3 times

alaahakim 2 years, 11 months ago

Ans : B

upvoted 2 times

shawnkkk 2 years, 11 months ago

. Enable parallel composite uploads using gsutil on the file transfer.

upvoted 2 times

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