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EXAM ASSOCIATE CLOUD ENGINEER TOPIC 1 QUESTION 266 DISCUSSION

Actual exam question from Google's Associate Cloud Engineer

Question #: 266

Topic #: 1

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You are planning to migrate your on-premises data to Google Cloud. The data includes:

- 200 TB of video files in SAN storage
- Data warehouse data stored on Amazon Redshift
- 20 GB of PNG files stored on an S3 bucket

You need to load the video files into a Cloud Storage bucket, transfer the data warehouse data into BigQuery, and load the PNG files into a second Cloud Storage bucket. You want to follow Google-recommended practices and avoid writing any code for the migration. What should you do?

- A. Use gcloud storage for the video files, Dataflow for the data warehouse data, and Storage Transfer Service for the PNG files.
- B. Use Transfer Appliance for the videos, BigQuery Data Transfer Service for the data warehouse data, and Storage Transfer Service for the PNG files.
- C. Use Storage Transfer Service for the video files, BigQuery Data Transfer Service for the data warehouse data, and Storage Transfer Service for the PNG files.
- D. Use Cloud Data Fusion for the video files, Dataflow for the data warehouse data, and Storage Transfer Service for the PNG files.

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  **Cynthia2023** Highly Voted  9 months, 3 weeks ago




Selected Answer: B

• Transfer Appliance for Video Files: Given the large size of the video files (200 TB) in SAN storage, using Google's Transfer Appliance is a practical solution. Transfer Appliance is a hardware solution provided by Google for transferring large amounts of data. It is well-suited for scenarios where uploading data over the internet is too slow or not feasible.

• BigQuery Data Transfer Service for Data Warehouse Data: To migrate data from Amazon Redshift to BigQuery, the BigQuery Data Transfer Service is the appropriate tool. It automates the migration of data from several sources, including Amazon Redshift, into BigQuery.

• Storage Transfer Service for PNG Files: The Storage Transfer Service is ideal for moving data from Amazon S3 to Google Cloud Storage. It simplifies the process of importing your PNG files from S3 to a Cloud Storage bucket.

   upvoted 8 times

  **denno22** Most Recent  1 week, 3 days ago

Selected Answer: B



We need the Transfer Appliance for the video.

   upvoted 1 times

  **ac3baff** 4 months, 2 weeks ago

I think the answer is B. The controversy is whether the answer is B or C, i.e. whether one should use the transfer appliance or storage transfer service. From my knowledge, storage transfer service is not applicable for SAN, so the answer should be B.

   upvoted 2 times


  **Stargazer11** 8 months, 3 weeks ago

Selected Answer: B

If it is on-prem to cloud, transfer appliance.

Storage transfer service is for transferring data between buckets.

   upvoted 3 times

  **sanjay1606** 8 months, 3 weeks ago

Hi bro, I need to talk with you about GCP Associate Cloud Engineer

   upvoted 3 times

  **apb98** 9 months, 3 weeks ago

Selected Answer: C

C. Explanation:

- Storage Transfer Service: It provides a straightforward way to transfer large amounts of data from an on-premises data source or cloud storage provider to Cloud Storage without writing code. This service can efficiently handle the migration of video files and PNG files.

- BigQuery Data Transfer Service: This service allows the transfer of data from various sources, including Amazon Redshift, directly into BigQuery. It simplifies and automates the migration of data warehouse data without coding requirements.

   upvoted 1 times

  **apb98** 9 months, 3 weeks ago

While options A and D involve using Dataflow and Cloud Data Fusion, respectively, these services may require additional configuration, development, or transformation logic, which is contrary to the requirement of avoiding code for migration.

Option B suggests using Transfer Appliance for the videos, which might be applicable for large-scale physical data transfers, but it's not the most suitable option for this scenario involving Cloud migration without coding.

   upvoted 1 times



  **blackBeard33** 8 months ago

But it is said that the data of the videos is on a SAN storage, is it san storage supported by google cloud storage transfer service? I found some links on this document that says <https://cloud.google.com/storage-transfer/docs/transfer-sources>

transfer service? I cant see it here on this documentation: <https://cloud.google.com/storage-transfer/docs/sources-and-sinks>

It is not public accessible and I dont think it is a file system either. So option B should be the most suitable here. Dont you think ?

   upvoted 1 times

  **Bagibo** 9 months, 3 weeks ago

Selected Answer: B



C makes sense. Use transfer appliance for vid

   upvoted 1 times

  **SrinivasJasti** 9 months, 3 weeks ago

C makes more sense


   upvoted 1 times

  **kaby1987** 9 months, 3 weeks ago

Selected Answer: B

B. Use Transfer Appliance for the videos, BigQuery Data Transfer Service for the data warehouse data, and Storage Transfer Service for the PNG files: Transfer Appliance is designed for moving large amounts of data (like 200 TB of videos) into Google Cloud Storage. The BigQuery Data Transfer Service automates data movement from several sources, including Amazon Redshift, into BigQuery. Storage Transfer Service is appropriate for moving data from Amazon S3 to Google Cloud Storage.


   upvoted 1 times

  **KelvinToo** 9 months, 3 weeks ago

Selected Answer: C

ChatGPT says the answer is C.

   upvoted 2 times

  **shiowbah** 9 months, 3 weeks ago

B. Use Transfer Appliance for the videos, BigQuery Data Transfer Service for the data warehouse data, and Storage Transfer Service for the PNG files.

   upvoted 1 times

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