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Exam Professional Data Engineer All Questions

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EXAM PROFESSIONAL DATA ENGINEER TOPIC 1 QUESTION 196 DISCUSSION

Actual exam question from Google's Professional Data Engineer

Question #: 196

Topic #: 1

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You have 15 TB of data in your on-premises data center that you want to transfer to Google Cloud. Your data changes weekly and is stored in a POSIX-compliant source. The network operations team has granted you 500 Mbps bandwidth to the public internet. You want to follow Google-recommended practices to reliably transfer your data to Google Cloud on a weekly basis. What should you do?

- A. Use Cloud Scheduler to trigger the gsutil command. Use the -m parameter for optimal parallelism.
- B. Use Transfer Appliance to migrate your data into a Google Kubernetes Engine cluster, and then configure a weekly transfer job.
- C. Install Storage Transfer Service for on-premises data in your data center, and then configure a weekly transfer job.
- D. Install Storage Transfer Service for on-premises data on a Google Cloud virtual machine, and then configure a weekly transfer job.

[Show Suggested Answer](#)

by [ducc](#) at Sept. 3, 2022, 3:57 a.m.

Comments

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 **zellick** Highly Voted 11 months, 1 week ago

Selected Answer: C

C is the answer.

<https://cloud.google.com/architecture/migration-to-google-cloud-transferring-your-large-datasets#storage-transfer-service-for-large-transfers-of-on-premises-data>

Like gsutil, Storage Transfer Service for on-premises data enables transfers from network file system (NFS) storage to Cloud Storage. Although gsutil can support small transfer sizes (up to 1 TB), Storage Transfer Service for on-premises data is designed for large-scale transfers (up to petabytes of data, billions of files).


   upvoted 9 times

 **musumusu** Highly Voted 8 months, 2 weeks ago

answer C,

To avoid confusion: Install Storage Transfer Service is always on EXTERNAL OR NON GOOGLE service or data centre to connect google service.

   upvoted 7 times

 **Prudvi3266** Most Recent 6 months, 2 weeks ago

Selected Answer: C

C is the Answer as we need weekly run Storage transfer service has the feature to schedule.

   upvoted 3 times

 **NicolasN** 11 months, 2 weeks ago

Selected Answer: C

The fact that it's about a POSIX source makes necessary the set up of Storage Transfer Service agents.

This detail limits [C] to be the correct answer, since it's the data center hosting the files where the agent must be installed.

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Some excerpts:

(an older version of documentation was definite)

"The following is a high-level overview of how Transfer service for on-premises data works:

1. Install Docker and run a small piece of software, called an agent, in your private data center. "

Source: <https://web.archive.org/web/20210529161414/https://cloud.google.com/storage-transfer/docs/on-prem-overview>

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"Storage Transfer Service agents are applications running inside a Docker container, that coordinate with Storage Transfer Service to read data from POSIX file system sources, and/or write data to POSIX file system sinks.

If your transfer does not involve a POSIX file system, you do not need to set up agents."

Source: <https://cloud.google.com/storage-transfer/docs/managing-on-prem-agents>

   upvoted 3 times

 **Atnafu** 11 months, 2 weeks ago

C

Storage Transfer Service agents are applications running inside a Docker container, that coordinate with Storage Transfer Service to read data from POSIX file system sources, and/or write data to POSIX file system sinks.

[https://cloud.google.com/storage-transfer/docs/managing-on-prem-](https://cloud.google.com/storage-transfer/docs/managing-on-prem-agents#:~:text=Storage%20Transfer%20Service%20agents,agents%20on%20your%20servers.)

[agents#:~:text=Storage%20Transfer%20Service%20agents,agents%20on%20your%20servers.](https://cloud.google.com/storage-transfer/docs/managing-on-prem-agents#:~:text=Storage%20Transfer%20Service%20agents,agents%20on%20your%20servers.)

   upvoted 2 times

 **namo621** 1 year, 1 month ago

why can't it be D?

   upvoted 1 times

 **zellick** 11 months, 1 week ago

Installation is done for the source which is in your data centre, and not in GCP.

   upvoted 2 times

 **Wasss123** 1 year, 1 month ago

Selected Answer: C

I vote for C

   upvoted 2 times

 **TNT87** 1 year, 1 month ago




Ans C

<https://cloud.google.com/storage-transfer/docs/overview>

   upvoted 2 times

 **MounicaN** 1 year, 1 month ago

can you help with difference between c and d ?

   upvoted 3 times

upvoted 3 times

 **gudiking** 11 months, 2 weeks ago

If you install the software for on-premise data center on a Google Cloud VM, then it's not on-premise, it's on GCP, so it can't access your on-premise data.


   upvoted 2 times

 **AWSandeep** 1 year, 2 months ago

Selected Answer: C

C. Install Storage Transfer Service for on-premises data in your data center, and then configure a weekly transfer job.

   upvoted 2 times

 **ducc** 1 year, 2 months ago

Selected Answer: C

C is correct

   upvoted 2 times



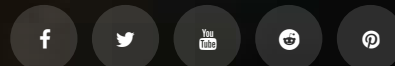
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