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## Exam Professional Data Engineer All Questions

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### 📄 EXAM PROFESSIONAL DATA ENGINEER TOPIC 1 QUESTION 98 DISCUSSION

Actual exam question from Google's Professional Data Engineer

Question #: 98

Topic #: 1

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Your company needs to upload their historic data to Cloud Storage. The security rules don't allow access from external IPs to their on-premises resources. After an initial upload, they will add new data from existing on-premises applications every day. What should they do?

- A. Execute gsutil rsync from the on-premises servers.
- B. Use Dataflow and write the data to Cloud Storage.
- C. Write a job template in Dataproc to perform the data transfer.
- D. Install an FTP server on a Compute Engine VM to receive the files and move them to Cloud Storage.

Show Suggested Answer

by [deleted] at March 22, 2020, 4:23 p.m.

### Comments

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🗨️ 👤 [Removed] Highly Voted 👍 5 years, 1 month ago

Should be A

👍 🗑️ 🗑️ upvoted 24 times

upvoted 24 times

**itche\_scratche** Highly Voted 5 years ago

should be A, dataflow is on cloud is external; "don't allow access from external IPs to their on-premises resources" so no dataflow.

upvoted 14 times

**shroffshivangi** Most Recent 9 months, 1 week ago

The gcloud storage command is the standard tool for small- to medium-sized transfers over a typical enterprise-scale network, from a private data center or from another cloud provider to Google Cloud.

upvoted 2 times

**Besss** 2 years, 3 months ago

Selected Answer: A

A is correct

upvoted 1 times

**zellick** 2 years, 5 months ago

Selected Answer: A

A is the answer.

[https://cloud.google.com/architecture/migration-to-google-cloud-transferring-your-large-datasets#gsutil\\_for\\_smaller\\_transfers\\_of\\_on-premises\\_data](https://cloud.google.com/architecture/migration-to-google-cloud-transferring-your-large-datasets#gsutil_for_smaller_transfers_of_on-premises_data)

The gsutil tool is the standard tool for small- to medium-sized transfers (less than 1 TB) over a typical enterprise-scale network, from a private data center to Google Cloud. We recommend that you include gsutil in your default path when you use Cloud Shell. It's also available by default when you install the Google Cloud CLI. It's a reliable tool that provides all the basic features you need to manage your Cloud Storage instances, including copying your data to and from the local file system and Cloud Storage. It can also move and rename objects and perform real-time incremental syncs, like rsync, to a Cloud Storage bucket.

upvoted 5 times

**somnathmaddi** 2 years, 6 months ago

Selected Answer: A

Should be A

upvoted 2 times

**medeis\_jar** 3 years, 3 months ago

Selected Answer: A

Without this "The security rules don't allow access from external IPs to their on-premises resources" B would be an answer.

upvoted 1 times

**MaxNRG** 3 years, 4 months ago

Selected Answer: A

A is the better and most simple IF there is no problem in having gsutil in our servers.

B and C no way, the comms will go GCP-Home, which says is not allowed.

D is valid, we can send the files with http://ftp...BUT ftp is not secure, and we'll need to move them to the cloud storage afterwards, which is not detailed in the answer.

<https://cloud.google.com/storage/docs/gsutil/commands/rsync>

upvoted 6 times

**am2005** 3 years, 4 months ago

I am confused . which one is correct A or B ???

upvoted 1 times

**hendrixlives** 3 years, 4 months ago

Selected Answer: A

A is correct.

upvoted 1 times

**Chelseajcole** 3 years, 6 months ago

This is the link:[https://cloud.google.com/architecture/migration-to-google-cloud-transferring-your-large-datasets#gsutil\\_for\\_smaller\\_transfers\\_of\\_on-premises\\_data](https://cloud.google.com/architecture/migration-to-google-cloud-transferring-your-large-datasets#gsutil_for_smaller_transfers_of_on-premises_data)

upvoted 2 times

**manocha\_01887** 3 years, 8 months ago

How rsync will handle private network?

"..The security rules don't allow access from external IPs to their on-premises resources.."



upvoted 3 times

**sumanshu** 3 years, 10 months ago

Vote for A

Vote for it

   upvoted 2 times

  **daghayeghi** 4 years, 1 month ago

A:

[https://cloud.google.com/solutions/migration-to-google-cloud-transferring-your-large-datasets#options\\_available\\_from\\_google](https://cloud.google.com/solutions/migration-to-google-cloud-transferring-your-large-datasets#options_available_from_google)

   upvoted 4 times

  **maurodipa** 3 years, 5 months ago

How could gsutil connect to Cloud Storage, if there is not access from external IPs? Should I understand that there is not access from outside to inside, but it is possible to send from inside to outside?

   upvoted 1 times

  **szefco** 3 years, 4 months ago

Yes. There is no access to on-prem from external IPs, but on prem can talk to external

   upvoted 3 times

  **Ravivarma4786** 4 years, 8 months ago

gsutil rsync will be used to transfer the files ANS A

   upvoted 4 times

  **haroldbenites** 4 years, 8 months ago

A is correct

   upvoted 3 times

  **VishalB** 4 years, 10 months ago

Ans : A

The gsutil rsync command makes the contents under dst\_url the same as the contents under src\_url, by copying any missing files/objects (or those whose data has changed), and (if the -d option is specified) deleting any extra files/objects. src\_url must specify a directory, bucket, or bucket subdirectory

   upvoted 6 times

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