Failed to obtain the location of the Google Cloud Storage bucket

Asked 4 years, 2 months ago Modified 10 months ago Viewed 5k times 🛟 Part of Google Cloud Collective

I am trying to transfer data from S3 to GCS by using a Java client but I got this error.

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Failed to obtain the location of the Google Cloud Storage (GCS) bucket ____ due to insufficient permissions. Please verify that the necessary permissions have been granted.

1

I am using a service account with the Project Owner role, which should grant unlimited access to all project resources.

google-cloud-storage data-transfer

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edited Oct 27, 2018 at 10:24

Son Truong

asked Oct 27, 2018 at 9:23

Dmytro Kulaiev
Dmytl **251** 2 6

Highest score (default)

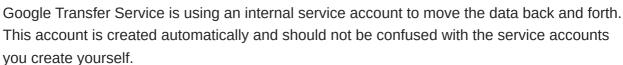
Sorted by:

3 Answers





18









This is written in the documentation, but it's VERY easy to miss:



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https://cloud.google.com/storage-transfer/docs/configure-access

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answered Oct 27, 2018 at 13:17



Great to see you found the solution! You can accept your own answers after 48 hours of being posted – Federico Panunzio Oct 30, 2018 at 10:48

1 Also, these roles should be added on the specific source and target buckets only, not on the project level. This is what the Data Transfer service itself does, when configured manually via the GUI. – thnee May 11, 2020 at 18:53 /

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can use this API <u>cloud.google.com/storage-transfer/docs/reference/rest/v1/...</u> to get the service account email being used by Data transfer service. – JD-V Oct 23, 2020 at 11:59



Thanks to @thnee's comment I was able to piece together a terraform script that adds the permissions to the hidden Storage Transfer service account:





```
data "google_project" "project" {}
locals {
 // the project number is also available from the Project Info section on the
Dashboard
  transfer_service_id = "project-${data.google_project.project.number}@storage-
transfer-service.iam.gserviceaccount.com"
resource "google_storage_bucket" "backups" {
           = "us-west1"
  location
               = "backups"
 name
 storage_class = "REGIONAL"
data "google_iam_policy" "transfer_job" {
 binding {
    role = "roles/storage.legacyBucketReader"
   members = [
      "serviceAccount:${local.transfer_service_id}",
    ]
  }
 binding {
    role = "roles/storage.objectAdmin"
   members = [
      "serviceAccount:${local.transfer_service_id}",
  }
 binding {
    role = "roles/storage.admin"
    members = [
      "user:<GCP console user>",
```

Note that this removes the default acls of owner and READER present on the bucket. This would prevent you from being able to access the bucket in the console. We therefore add the roles/storage.admin back to owner users and the terraform service account that's doing the change.

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answered Sep 28, 2020 at 14:21



Richard Nienaber 10.1k 5 56 66

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"serviceAccount:<terraform user doing undates>"

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answered Mar 6, 2022 at 1:47







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