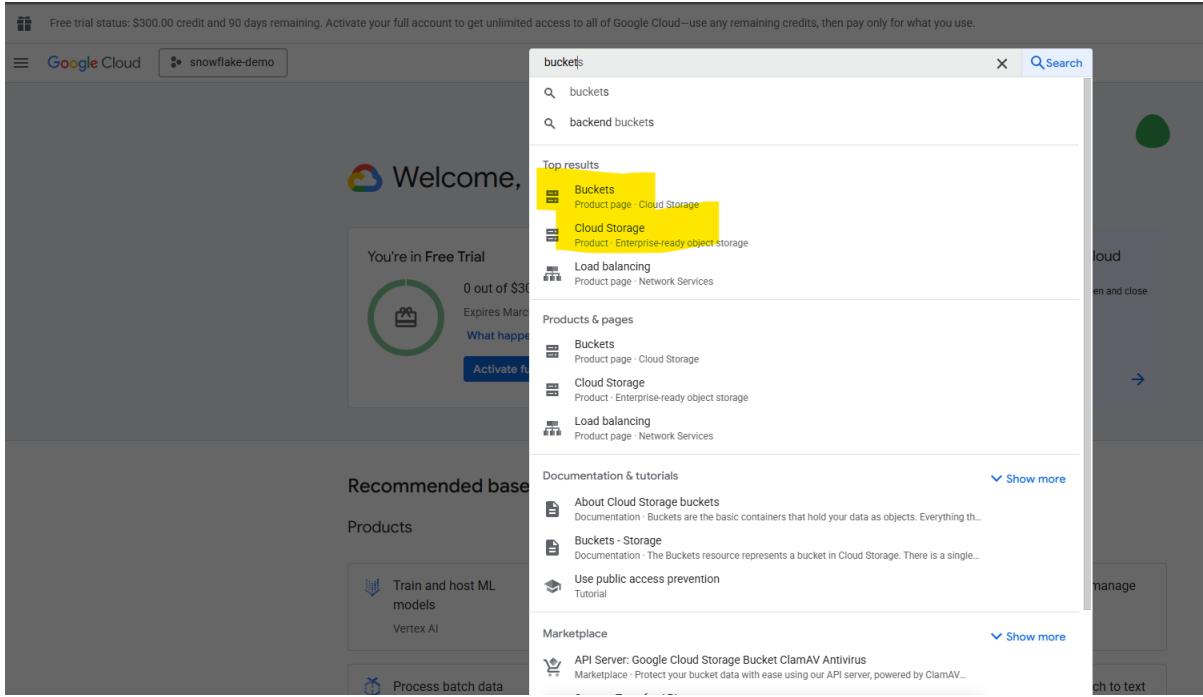


Snowflake Demo GCP Integration

GCP Integration and data load



Create GCS bucket

Free trial status: \$300.00 credit and 90 days remaining. Activate your full account to get unlimited access to all of Google Cloud—use any remaining credits, then pay only for what you use.

Create Storage Integration Object.

property	property_type	property_value	property_default
ENABLED	Boolean	true	false
STORAGE_PROVIDER	String	GCS	
STORAGE_ALLOWED_LOCATIONS	List	gcs://[REDACTED]/csv,gcs://[REDACTED]2025/json	2025/json
STORAGE_BLOCKED_LOCATIONS	List		
USE_PRIVATELINK_ENDPOINT	Boolean	false	false
STORAGE_GCP_SERVICE_ACCOUNT	String	[REDACTED]am.gserviceaccount.co	
COMMENT	String		

Copy Service Account and select both bucket -> click on permission

Free trial status: \$300.00 credit and 90 days remaining. Activate your full account to get unlimited access to all of Google Cloud—use any remaining credits, then pay only for what you use.

Google Cloud snowflake-demo bucket X Search

Cloud Storage 2 buckets selected Delete Permissions Tags Labels

Overview Buckets Monitoring Settings

Filter Filter buckets

Name ↑	Created	Location type	Location	Default storage class	Last
snowflakebucket2025	Dec 7, 2025, 10:27:14 PM	Multi-region	us	Standard	Dec
snowflakebucketjson2025	Dec 7, 2025, 10:28:05 PM	Multi-region	us	Standard	Dec

Storage Intelligence Insights datasets Configuration

Grant access to 2 resources

Grant principals access to 2 resources and add roles to specify what actions the principals can take. Optionally, add conditions to grant access to principals only when a specific criteria is met. [Learn more about IAM conditions](#)

Resources

Resource

- snowflakebucket2025
- snowflakebucketjson2025

Add principals

Principals are users, groups, domains, or service accounts. [Learn more about principals in IAM](#)

New principals *

[REDACTED]



Assign roles

Roles are composed of sets of permissions and determine what the principal can do with these resources. [Learn more](#)

Role *

Storage Admin

IAM condition (optional) ?

+ Add IAM condition



Grants full control of buckets and objects.

+ Add another role

Save

Cancel

My Workspace > GCS_Load_Data.sql

ACCOUNTADMIN COMPUTE_WH (X-Small) Choose database Share ...

```

1 -- Create or replace file format
2 create or replace file format MANAGE_DB.public.fileformat_gcp
3   TYPE = CSV
4   FIELD_DELIMITER = ','
5   SKIP_HEADER = 1;
6
7 -- Create stage object
8 create or replace stage MANAGE_DB.public.stage_gcp
9   STORAGE_INTEGRATION = gcp_integration
10  URL = 'gs://snowflakebucket2025'
11  FILE_FORMAT = MANAGE_DB.public.fileformat_gcp;
12
13 LIST @MANAGE_DB.public.stage_gcp;
14
15 Ctrl+I to generate

```

Results (14 minutes ago)

Table Chart

#	name	size	md5	last_modified
1	gcs://snowflakebucket2025/world-happiness-report-2021.csv	21687	i703cf5da0a3	Mon, 8 Dec 2025 06:28:57 GMT

Home Load_ADLS_Data Azure_Integration GCP_Integration.sql GCS_Load_Data.sql Untitled.sql +

ACCOUNTADMIN COMPUTE_WH (X-Small) Choose database Share ...

```

38   perceptions_of_corruption number(4,3),
39   ladder_score_in_dystopia number(4,3),
40   explained_by_log_gdp_per_capita number(4,3),
41   explained_by_social_support number(4,3),
42   explained_by_healthy_life_expectancy number(4,3),
43   explained_by_freedoms_to_make_life_choices number(4,3),
44   explained_by_generosity number(4,3),
45   explained_by_perceptions_of_corruption number(4,3),
46   dystopia_residual number (4,3));
47
48
49 COPY INTO MANAGE_DB.public.happiness_gcs
50 FROM @MANAGE_DB.public.stage_gcp;
51
52 | SELECT * FROM MANAGE_DB.public.happiness_gcs;
53

```

Results (just now)

Table Chart

#	COUNTRY_NAME	REGIONAL_INDICATOR	LADDER_SCORE	STANDARD_ERROR	UPPERWHISKER	LOWERWHISKER	LOGGED_GDP	SOCIAL_SUPPORT	HEALTHY_LIFE_EXPECTANCY	FREEDOM_TO_MAKE_LIFE_CHOICES					
1	Afghanistan	0.7%	Sub-Saharan Afr...	24.2%	7.842	2.523	0.026	0.173	2.596	7.904	2.449	7.780	10.775	0.954	72.000
2	Albania	0.7%	Western Europe	14.1%	+8 more	+98 more	+8 more	+8 more	+8 more	+8 more	+8 more	+8 more	+8 more	+8 more	+8 more
3	Finland	Western Europe			7.842	2.523	0.032	0.026	2.596	7.904	2.449	7.780	10.775	0.954	72.000
4	Denmark	Western Europe			7.620	2.523	0.035	0.026	2.596	7.687	2.449	7.552	10.933	0.954	72.700
5	Switzerland	Western Europe			7.571	2.523	0.036	0.026	2.596	7.643	2.449	7.500	11.117	0.942	74.400
6	Iceland	Western Europe			7.554	2.523	0.059	0.059	2.596	7.670	2.449	7.438	10.878	0.983	73.000
7	Netherlands	Western Europe			7.464	2.523	0.027	0.027	2.596	7.518	2.449	7.410	10.932	0.942	72.400
8	Norway	Western Europe			7.392	2.523	0.035	0.035	2.596	7.482	2.449	7.323	11.053	0.954	73.300
9	Sweden	Western Europe			7.383	2.523	0.036	0.036	2.596	7.433	2.449	7.293	10.867	0.934	72.700
10	Luxembourg	Western Europe			7.324	2.523	0.037	0.037	2.596	7.396	2.449	7.252	11.647	0.908	72.600
11	New Zealand	North America and ANZ			7.277	2.523	0.040	0.040	2.596	7.355	2.449	7.198	10.643	0.948	73.400
12	Austria	Western Europe			7.268	2.523	0.036	0.036	2.596	7.337	2.449	7.198	10.906	0.934	73.300
13	Australia	North America and ANZ			7.183	2.523	0.041	0.041	2.596	7.285	2.449	7.102	10.796	0.940	73.900