How much storage do we need?

What are we going to store?

* Application (back-end)
* Sample Datasets
* User uploaded Datasets
* User data

Google Cloud:

<https://cloud.google.com/storage/pricing#europe>

Table

Description automatically generated

Amazon S3

per region pricing EU:

Over 500 TB / Month -> **Frankfurt** - $0.0225 per GB

Over 500 TB / Month -> **Ireland** - $0.021 per GB

Over 500 TB / Month -> **London** - $0.022 per GB

Over 500 TB / Month -> **Milan** - $0.022 per GB

Over 500 TB / Month -> **Paris** - $0.022 per GB

Over 500 TB / Month -> **Spain** - $0.021 per GB

Over 500 TB / Month -> **Stockholm** - $0.021 per GB

Over 500 TB / Month -> **Zurich** - $0.02475 per GB

Microsoft

Over 500 TB / month -> **West Europe** - $0.195 per GB

# General purpose cloud storage margin

Google – 0.20 PER GB/Month

Amazon – 0.21 PER GB/Month

After calculating the price for both providers (Google, AWS) with the same values (Total storage, operation, etcetera), then used the margin formula (deducted the cheaper from the more expensive one) and it seems that **Google Cloud Storage would be 17% cheaper than AWS**. So, the margin is 17%.  
I also presume it would run with less MS since it is based in the Netherlands.

# Databricks and Snowflake

1. How much does Databricks charge for storage?
2. How much does Snowflake charge for storage?
3. Compare to Google
4. Compare to AWS
5. Calculate margin

# Databricks for AWS

<https://www.databricks.com/product/aws-pricing>

A picture containing table

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## Databricks for Google cloudGraphical user interface Description automatically generated

<https://www.databricks.com/product/pricing/product-pricing/instance-types>

<https://www.snowflake.com/pricing/pricing-guide/>

## CLOUD SERVICES

## Cloud services

resources are automatically assigned by Snowflake based on the requirements of the workload. Typical utilization of cloud services (up to 10% of daily compute credits) is **included for free**, which means most customers will not see incremental charges for cloud services usage.

Graphical user interface, table

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AWS Ireland – On Demand - **$40 per Terabyte per month for customers deployed in AWS – EU (Ireland) \* 5 = $200/month**

**AWS Ireland – Pre-Purchase Capacity - $23.00 per Terabyte per month for customer deployed in AWS – EU (Ireland) \* 5 = $115/month**

**Snowflake(**Google Cloud**) – On Demand - $35 per Terabyte per month for customers deployed in GCP – Europe West 4 (Netherlands) \* 5 = $175/month**

**Snowflake(**Google Cloud**) – Pre-Purchased - $20 per Terabyte per month for customer deployed in GCP – Europe-West4 (Netherlands) \* 5 = $100/month**