

Our group intends to build our cloud service using both redis and mongodb

Referring to the redis usage in job 1, we intend to also include a counting function for input keywords and return results in the code, but only generate counts in the background. Sort the values cached in redis according to the count. Considering that redis has a storage limit of 1GB, write an elimination mechanism based on the keyword count, and delete the cache if the key value at the end of the count minimizes and reaches the redis cache limit. At the same time, we stipulate an expiry date, when the expiry date of the data is exceeded, the data is deleted.

Considering that redis will delete stored keywords and query results irregularly, we added the cloud database mongodb. Store all stored key-value pairs in mongodb as our backup database.