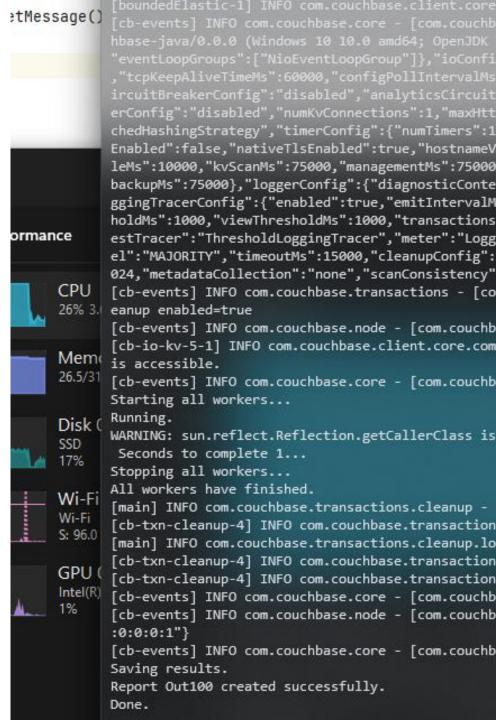




Test conditions

- Coachbase installed as Docker container inside WSL Ubuntu (Windows Subsystem Linux)
- Run on
 - 13th Gen Intel(R) Core(TM) i7-1370P 1.90 GHz
 - 32GB RAM
 - Java 11 OpenJDK build 11.0.8



Test scenario











Run with 1,10,50,100,1000 number of threads

Loaded up 100 json files

Test over 180 seconds

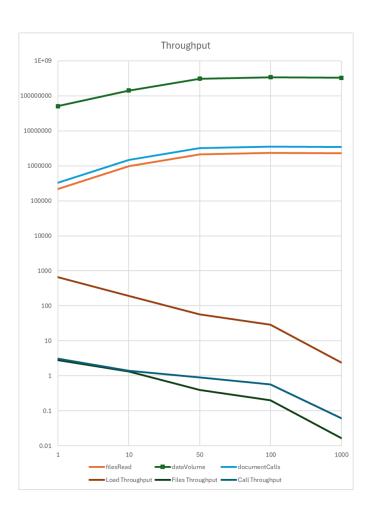
8 measures collected

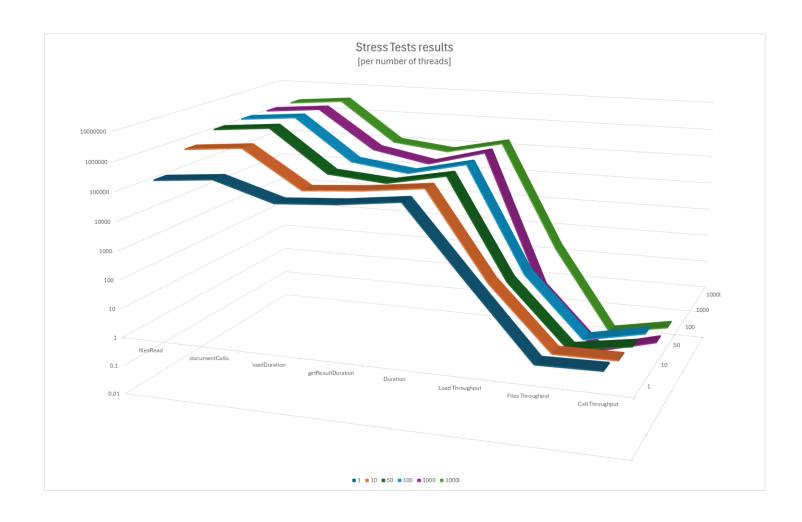
Output stored as csv files

Measures

- Thread start and end timestamp [ms]
- Number of loops executed
- Document loading duration (loadDuration) [ms]
- Document retrieving duration (getResultDuration) [ms]
- Number of document read & loaded (filesRead)
- Number of document retrieved (documentCalls)
- Document volume (dataVolume) [B]

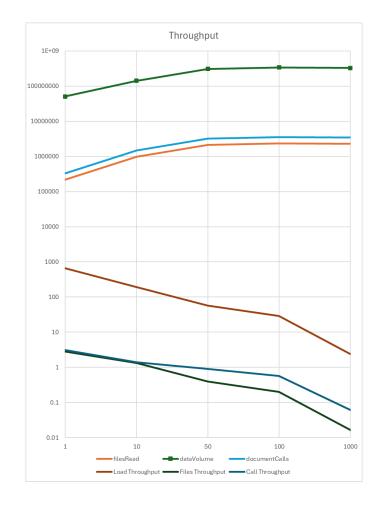
Test results





Conclusions

- Increasing number of threads
 - From 1 to 10 increases number of documents processed by 3.5x
 - Jump from 10 to 50 just doubles quantity
 - 100 gives only 10% increase over 50
 - 1000 threads does not bring value
- With large number of threads > 100
 - CPU, disk (IO) and Couchbase API limitation became a bottle neck
- Increasing the size of documents 10x does not affect performance





- It was fun to do this exercise
- Good is enough
 - Each code can be improved, but do not need to
- Programming is like riding the bicycle
 - You can change bike but do not forget how to ride
- Al automates simple tasks
- I've recall/learned a lot ©
- I like beer

