W13

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1. INTRODUCTION

This week you will learn how to evaluate performance between two journal mode (RBJ and WAL) on SQLite database engine using TPC-C benchmark (pytpcc).

2. METHODS

1. Run TPC-C benchmark for two journal modes

- Change journal mode to **delete** and **wal**

2. Observe how TPS (txn/s) changes

- Record and analyze the TPS for each transaction
(DELIVERY, NEW_ORDER, ORDER_STATUS, PAYMENT, STOCK_LEVEL)

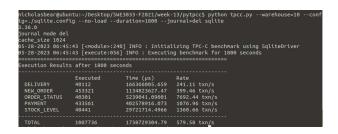## 3. Performance Evaluation
3.1 Experimental Setup

Type	Specification
OS	Ubuntu 18.04.65 LTS
CPU	Intel(R) Core(TM) i5-10400F CPU @ 2.90GHz
Memory	3994720 kB
Kernel	Linux ubuntu 5.4.0-144-genericcat /proc

3.2 Experimental Results

4. Conclusion

Total Rate 이 2 배 정도차이가 난다. 그차이는 ORDER STATIS 에서 특히 크게 차이났음을 알 수 있다.