Pocket Data Benchmark

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Let's discuss

- Why PocketData Benchmark?
- What is the Scope of the project?
- What have we done so far?
- What is the roadmap?

Why PocketData Benchmark?

- Server Databases like Oracle, MSSQL, MySQL etc., have standard benchmarks like TPC-H to compare. Mobile databases have none.

- Cannot use TPC-H for mobile workload. They are different.

- Two billion android devices. Even a small percent increase in efficiency is significant.

Scope of the project

- Workload and data-generator simulating the behavior of mobile app's

- A report for the design of the above generator and workload

- Light weight Evaluation of two or more databases on this workload

What have we done so far?

- Read and Understood PocketData paper

- Processed Phonelab log data and inserted into MySQL for analytics purpose

- Coming up with our own intuition of how mobile systems are queried.

What's the roadmap?

1. Categorize the apps based on workload, usage,…
2. Reproduce the results of PocketData paper
3. Analyze the workload and phrase a distribution that approximately models it.
4. Develop a data generator dgen.
5. Generate workload and evaluate on two or more databases
6. Produce a report/paper with design of dgen, workload and findings.