



# Self-driving Infrastructure

*Final Presentation*

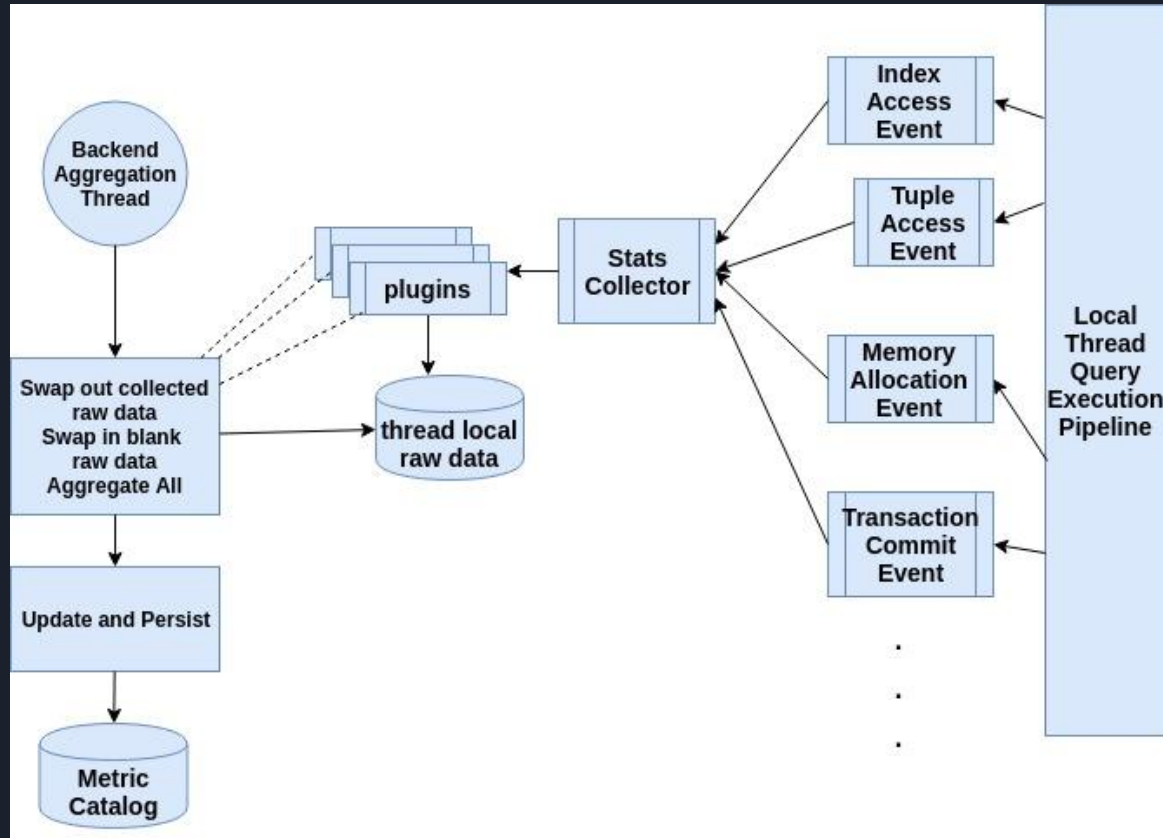
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# Overall outcomes

- A brand new stats collection and aggregation framework;
  - Low Overhead
  - Easily Extensible
- Implementation of metrics on our new framework:
  - Database, Table and Index Metrics;
    - Access Count, Memory stats...
  - Tuple Access, Query Latency...

# Framework Architecture





## Framework API Design

- Framework code needs to be fast, lock-free and thread-safe as they run on critical query path
- Plugin code needs to be simple, declarative, and in one place.



# Demo