OLTP Through the Looking Glass, and What We Found There
SIGMOD ’08, pp. 981-992, 2008.
H-Store
Parallel Main Memory Transaction Processing System

H-Store: A High-Performance, Distributed Main Memory Transaction Processing System
YCSB

Transactions per Second vs. Elapsed Time (seconds)

H-Store, MySQL, MySQL+Memcached

50% Reads / 50% Writes
Anti-Caching: A New Approach to Database Management System Architecture
In Preparation.

Anti-Caching

Andy Pavlo  Justin DeBrabant  Stephen Tu  “The Thrill” Stonebraker  Stan Zdonik
YCSB (2x Memory)

50% Reads / 50% Writes
Future Work:

- Large-than-memory queries.
- Eviction Strategies.
- Block Reorganization.
Conclusion:
H-Store
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