

Lars Hofhansl Vice President and Principal Architect at Salesforce Apache HBase, Apache Phoenix committer and PMC member

Two Years Ago, I showed you this







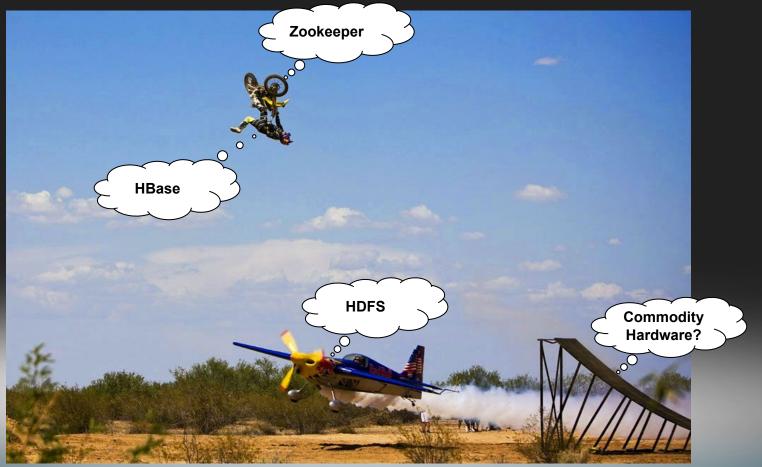


















HBase/Phoenix are BIG* at Salesforce

* Numbers are from some time in the past and do not reflect the current scale



Mix of customer* and internal data

Typical Use Cases

- Samples of Customer Data:
 - Login data to track anomalies in real-time
 - Archiving, historical data moved from operational, relational storage to HBase
 - Denormalized feed views for Salesforce Chatter
 - Chatter @mention low-latency relevancy queries
 - Storage of user activity on marketing campaigns for reporting and AI/ML
- Samples of Internal usage:
 - Periodic thread dumps from all AppServers
 - Machine metrics from all machines

Customer Facing

> 100 clusters of varying size

~4bn write requests / day

~80TB written / day

That's about ~8 gbit/s, sustained

~600m read requests / day

~500GB read / day

Central Metrics Database

Central Metrics Database



W OPENTSOB

Collecting data from > 80.000 machines

11.4 trillion metrics stored and growing

2.8 tn metrics in 6 months and growing

210 bn reads in 6 months