

The NoSQL Landscape

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SERLI


Couchbase


Open Source Collaborative Innovation, The Way Forward

What we'll talk about

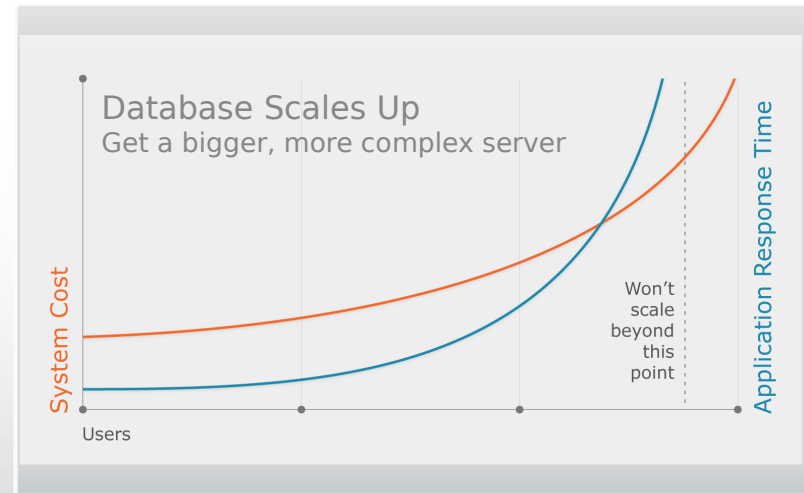
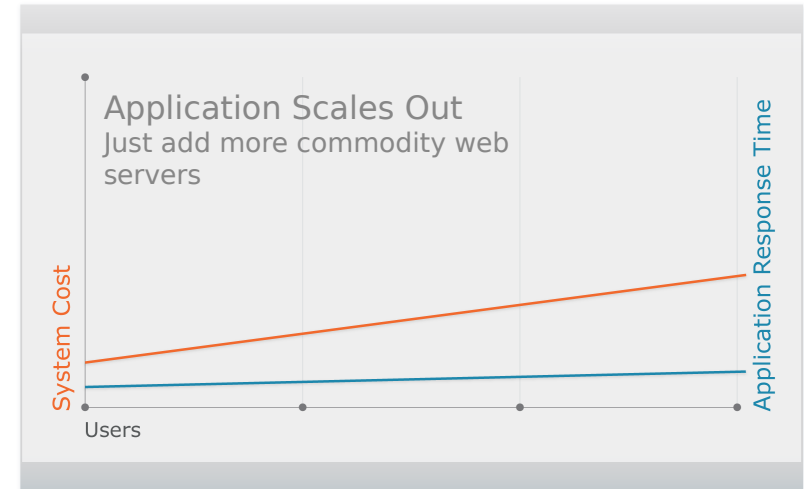
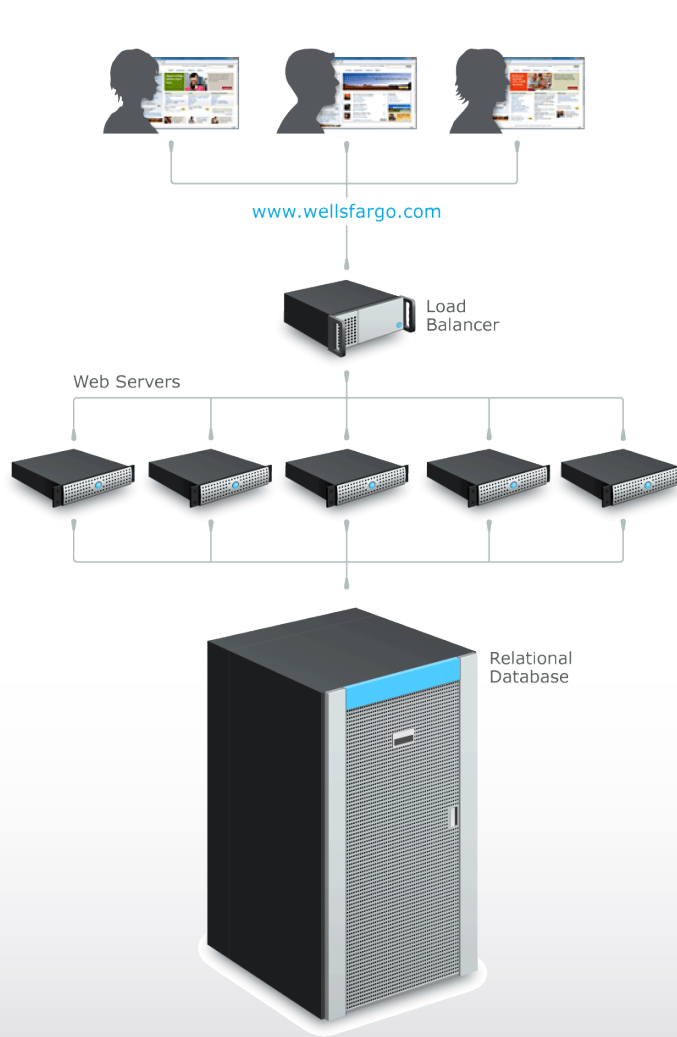
- **Why RDBMS are not enough?**
- **What are the different NoSQL taxonomies?**
- **Which “NoSQL” is right for me?**

Growth is the New Reality

- Instagram gained nearly 1 million users overnight when they expanded to Android



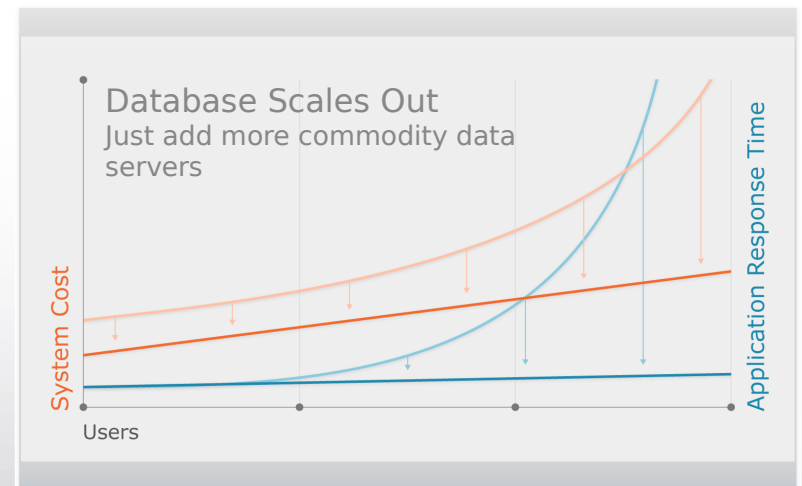
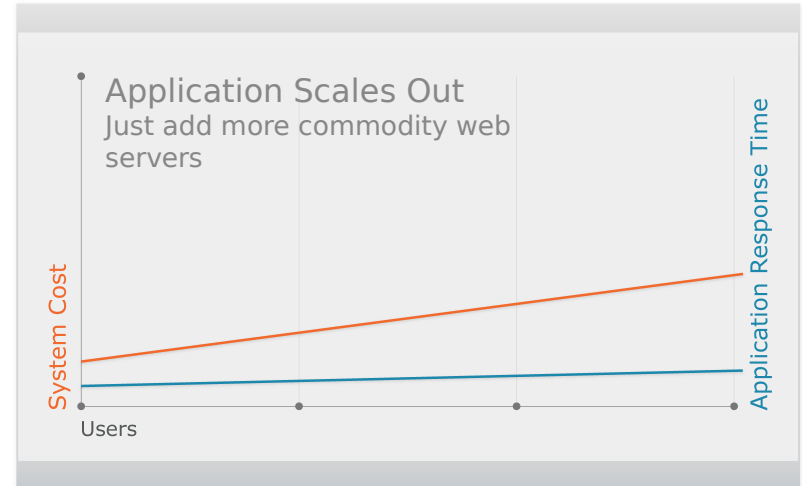
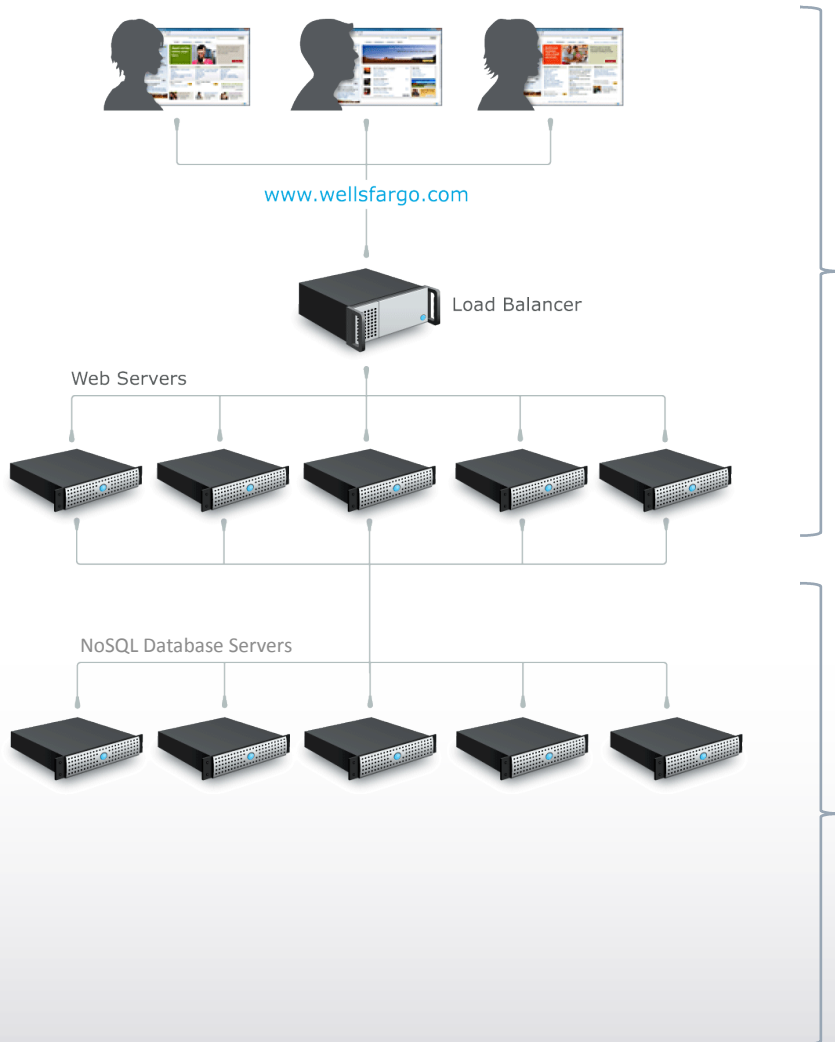
Does it work with RDMBS backend?



Note – Relational database technology is great for what it is great for, but it is not great for this.

NoSQL database matches application logic tier architecture

Data layer now scales with linear cost and constant performance



Scaling out flattens the cost *and* performance curves.

NoSQL catalog

Key-Value

Data Structure

Document

Column

Graph

Cache
(memory only)



Memcached



Redis



Coherence

Database
(memory/disk)



Membase



Couchbase



Cassandra



Neo4j



MongoDB

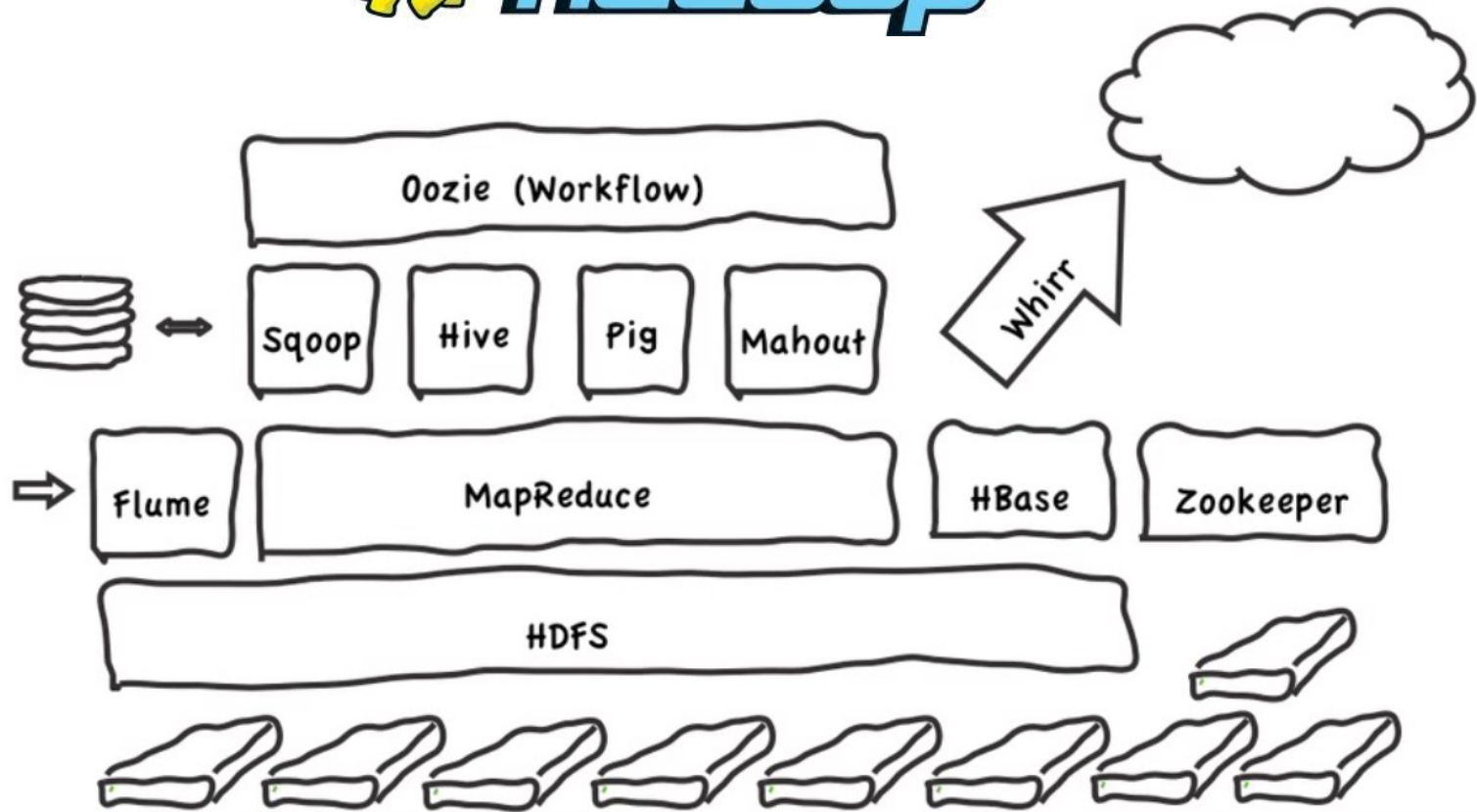


HBase



InfiniteGraph

What about Hadoop?



Conclusion

- **One Size Does Not Fit All**
- **Overview of the the NoSQL types**
- **Choose the right solution**
 - **Developer Productivity**
 - **Large Scale Data**



Q&A



Thanks!

