NUODB

NewSQL
NuoDB is ...

- Distributed
- Relational
- ACID-ic
- Mostly SQL compliant
- P2P
- Elastic?
How Acid is achieved

A: All transactions are either made permanent when the transactions commits or are removed from the DB

C: NuoDB uses MVCC to maintain a consistent view of data among transactions. Data is NEVER deleted or actually UPDATED just versioned. This is of course relative consistency

I: Since every concurrent writes to the same object are actually creation of a new object, transactions are isolated.

D: Distributes changes to at least two archive nodes. Archive nodes are able to write a non-buffered log of replication messages. This will enable the archive node to recover the state of the database at the time of the crash. (Could be expensive under heavy load)
CONCLUSION

It would be nice to test drive it
Sources

- http://nuodb.com/how_it_works.html
- http://en.wikipedia.org/wiki/Multiversion_concurrency_control