is among the **10 nominated projects for the prize**, 
is a **multi-model database** (document store & graph database),
is **open source and free** (Apache 2 license),
offers **convenient queries** (via HTTP/REST and AQL),
offers **high performance** and is **memory efficient**, 
uses **JavaScript throughout** (V8 built into server),
doubles as a **web and application server**
  (API extendable by JavaScript code in the **Foxx framework**),
offers many **drivers** for a wide range of languages,
is easy to use with **web frontend** and **good documentation**, 
enjoys **good professional as well as community support**, and . . .
. . . recently added **sharding** in Version 2.0.
Lightning talk at dotScale 2014  
Sharding — a cluster of machines running ArangoDB

Max Neunhöffer (triAGENS)  
ArangoDB’s approach to sharding  
19 May 2014

Requests

Coordinator

Coordinator

Agency

DBserver 1 4

DBserver 2 5

DBserver 3 1
(Eventually,,) we want to

- provide with sharding essentially the same API as without
- offer full ACID semantics for transactions spanning multiple documents and multiple collections
- provide fault-tolerance with automatic failover
- be able to scale out for all operations up to about 50–100 nodes
- provide elastic resizing with essentially zero administration within this range.

Stay tuned for new releases later this year!
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