

# NoSQL Database

Powerful Enterprise-class NoSQL Database for Agile Development

NoSQL Database (formerly Versant) enables developers to handle requirements for extremely complex object models with ease. Some of the world's largest companies use NoSQL for applications with very large scale data management requirements.

Since NoSQL doesn't need mapping code to store or retrieve objects, it can handle schema modifications without application downtime. Fault tolerance, synchronous and asynchronous replication, high availability and excellent scalability make NoSQL ready for the enterprise.

NoSQL provides all transactional capabilities of a robust enterprise database, including ACID transactions, distributed two phase commit, interfaces to third-party transaction monitoring systems such as Tivoli, and optimistic and pessimistic locking schemes. These are all fully optimized for high performance.

*“Performance, robustness and scalability were the characteristics we were looking for. We were impressed by the speed of response delivered by the Actian NoSQL dual-cache system and the robustness of the solution.”*

**- Ismail Gazarin**  
Chief Information Officer, Eidosmedia

## Benefits and Value

### Enterprise-ready

Synchronous and asynchronous replication, high availability, and excellent scalability

### Performance Superiority

No slow queries due to object navigation following references embedded within the object definition

### Operational Efficiency

Full set of enterprise features 24x7 operations, fault tolerance, replication, online backup, snapshots, scale across multiple databases

## Capabilities

High-Performance transaction handling with multithreaded and dual cache server architecture

Big Data Management and Distributed Databases: allows developers to design databases and server architecture that can expand over time as data access and volume grows

Mission-critical deployments: Ensuring 99.9% availability of the Actian NoSQL database is accomplished with data center tools that can be deployed to the Actian NoSQL Database