



Think **BIG**
GENSONIX®

Think **FAST**
NewSQL Super DB

Efficient data storage is a requirement for all businesses

Technology enables us to create data very fast. However, all these different varieties of data must be stored in the most efficient manner. Today, SQL databases designed for structured data stores unstructured documents in tables causing instability. And NoSQL databases designed for unstructured data stores structured data in tagged document stores wasting storage. This problem causes massive inefficiency at the software level.

Core-Node based execution Vs Server-Node based execution

SQL and NoSQL databases are based on server-nodes and requires a full server node for 1 instance of the database. This idles all remaining cores in each server node. Additional cores are for the most part utilized as slaves for secondary tasks and not for total database executions. This causes massive hardware inefficiency.

NSQL® and SQL for Procedures and Queries

The use of SQL for queries is essential. However, usage of SQL for procedures brings in another set of inefficiency. An ultra-procedural language such as NSQL can help develop complex multi-stream procedural applications with ease and simplicity.

High scalability and Massively Parallel execution

With the ability to run a total database instance utilizing 1 core-node, Gensonix NewSQL Super DB can run several database nodes on a single server node. With scalability across the entire system, this results in massively parallel execution to run as many DB nodes as there are cores in the entire system.

- **Multi-modeling** – Separate stores for Structured and Unstructured data in a Single DB
- **Document Store** – For all varieties of content
- **Relational Tables** – For all structured data without Joins + SQL queries
- **NSQL** – The ultra-procedural language for multi-stream application developments
- **Core based execution** – Requiring only 1 core for a database instance
- **Massively Parallel Processing (MPP)** – On entire system beyond 100,000 DB nodes

**All the main features required to solve ALL Big Data problems in a single DB!
Gensonix is the single DB that requires the least hardware while providing most throughput!**

Scientel IT Corp.

Email: scientel@scientel.com

Novi Commons

43000 W 9 Mile Road, Suite 305

Novi, MI 48375

Phone: (248) 433-4700

Scientel®: The Big Data, Big Solutions Company
www.scientel.com