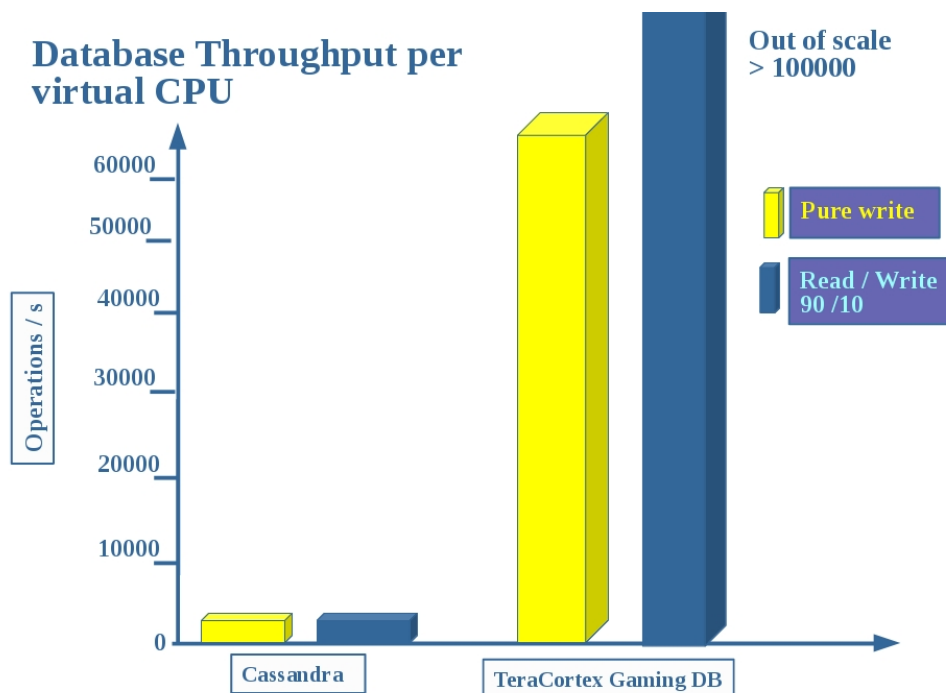# TeraCortex
Gaming Database

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What is the TeraCortex Gaming DB?

The TeraCortex Gaming data base is a new product that meets the real time requirements of high speed applications like mobile and online gaming and tracking of geographic locations.

- It cuts 97% of your hardware costs (rented or purchased) because of its extreme speed and hardware efficiency.

- It gives your applications a performance boost because of its response times down to 20 micro seconds for writes and reads.

- It enables you to track updates from millions of users even on a single standard rack server.

- It grows with your business by linear scaling with the number of employed servers.

- It gives you high availability by multi master replication between up to 16 copies.

- It gives you complete freedom in the organization of your data because of its builtin data view and hybrid (memory / disk) storage technology.

In the simplest case the database consists of just one server node. With growth of your business and data additional nodes can be allocated. Client applications may contact either node for any data using arbitrary keys. The database automatically routes client requests to the node where the keyed data is stored. Either node may be replicated. In this case updates are sent to all copies. Copies are held consistent by a two phase commit protocol. The database supports distributed transactions in an ACID compliant way.

Benchmarks executed in the Amazon AWS cloud proved more than 25 million requests per second using just sixteen virtual machines. We rented them on demand (highest price category) for $27 per hour.

Example: Your application runs at a throughput of 920000 requests per second. With our DB you pay $720 per month for the hardware for this level of performance. For the same price you get Amazon's DynamoDB at a throughput of just 2800 requests per second, which is just 3% of the TeraCortex DB performance. Our you pay $23760 per month for the same throughput, if DynamoDB reaches this performance at all.

The bottom line:

- **With our database you boost your applications in terms of throughput and response times.**
- **Compared to AWS DbaaS offers you save almost all of your expenses.**

For more details just google for *LDAP world record* and take the first link. It will lead you to our home page

www.teracortex.com