EzNoSQL
Performance Proof Points

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EzNoSQL Performance Proof Points

Claim:
With the Java API to EzNoSQL for z/OS, process up to 280,000 read transactions per second or up to 32,200 insert transactions per second to a NoSQL database on an IBM z16 z/OS LPAR with 8 CPs.

DISCLAIMER:
Performance results are based on IBM internal tests running a 64-bit Java application designed to only drive I/O requests executing read or insert requests to a NoSQL Database on z/OS using the Java API to EzNoSQL. Java 8 SR8 (JRE 1.8.0 z/OS s390x-64-Bit) was used and exploited compressed references. The measurement environment consisted of a single IBM z16 LPAR with 8 CPs running z/OS 3.1. Eight copies of the application were run concurrently accessing the same database. The database contained 10 million documents, each of which was 121 bytes long, and used a 100 GB buffer pool. We used a VSAM RLSFIXEDPOOLSIZE value of 50 GB. Read tests had a 100% buffer hit ratio. Your results may vary.

Claim:
With the C language API to EzNoSQL for z/OS, process up to 300,000 read transactions per second or up to 32,600 insert transactions per second to a NoSQL database on an IBM z16 z/OS LPAR with 8 CPs.

DISCLAIMER:
Performance results are based on IBM internal tests running a 64-bit C application designed to only drive I/O requests executing read or insert requests to a NoSQL Database on z/OS using the C API to EzNoSQL. The measurement environment consisted of a single IBM z16 LPAR with 8 CPs running z/OS 3.1. Eight copies of the application were run concurrently accessing the same database. The database contained 10 million documents, each of which was 121 bytes long, and used a 100 GB buffer pool. We used a VSAM RLSFIXEDPOOLSIZE value of 50 GB. Read tests had a 100% buffer hit ratio. Your results may vary.