

# 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.

# EzNoSQL Performance Proof Points

## **Claim:**

**With the Python language API to EzNoSQL for IBM z/OS, process up to 260,503 read transactions per second or up to 32,353 insert transactions per second to an EzNoSQL database on an IBM z16 z/OS LPAR with 8 CPs.**

## **DISCLAIMER:**

**Performance results are based on IBM internal tests running a 64-bit Python application designed to only drive I/O requests executing read or insert requests to a EzNoSQL Database on z/OS using the Python 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. The CF cache size was set to 100 GB. The VSAM RLSFIXEDPOOLSIZE value was set to 50 GB. Read tests had a 100% buffer hit ratio. Your results may vary.**