

Upgrade for Speed: Ostendo 243 + Firebird 5 Performance Gains



The Benchmark Test: A Level Playing Field

The Test Environment

A standalone local setup was used to isolate performance and eliminate external network latency.

Three Configurations Tested



Ostendo 242
+ FB 2.5



Ostendo 243
+ FB 2.5



Ostendo 243
+ FB 5



The Performance Test

A script was run to insert, update, and delete 500,000 records in each database environment.

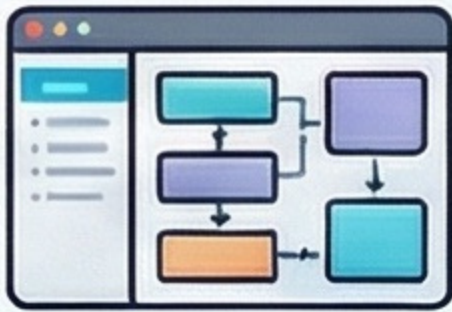


Two High-Stress Scenarios

Tests were run first in a single session, then with four concurrent sessions to simulate 2 million simultaneous transactions.



How We Achieved It: The Technology Behind the Speed



New Database Connectivity Architecture

We moved from a dedicated, Firebird-specific object to a more flexible and efficient generic connection component. The core reason for the speed gain in Update 243 is a fundamental change in how the software connects to the database.



Benefits Beyond Speed:

This new architecture not only improves performance but also provides greater technical adaptability for the future.

Ostendo 242 + Firebird 2.5 (Oldest)



Single Session:
23 seconds



4 Sessions:
135 seconds

Ostendo 243 + Firebird 2.5 (Intermediate)



Single Session:
18 seconds



4 Sessions:
62 seconds

Over 12x Faster Multi-Session Performance



Single Session:
12 seconds
(Nearly 2x Faster)



4 Sessions:
11 seconds
(Over 12x Faster)

Dramatic Speed Boost with Firebird 5



Your Next Step: Share the Good News

Communicate the Benefits:

Proactively inform clients about these performance improvements ahead of the Ostendo 243 Public Release.



A Tangible Reason to Upgrade:

Ensure clients understand the real-world advantages of upgrading their Ostendo and Firebird environments.