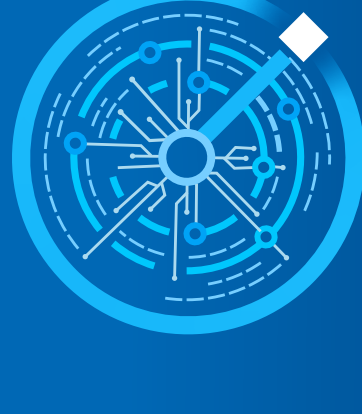
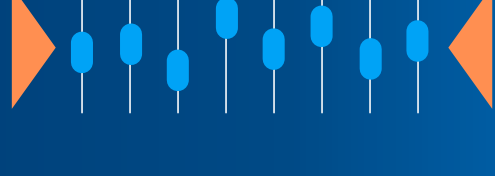


Real-time Analytics Power Financial Services

Today, investment firms, analytics teams and quantitative traders need data instantly



And the real advantage comes from merging historical data with real-time data to gain insights



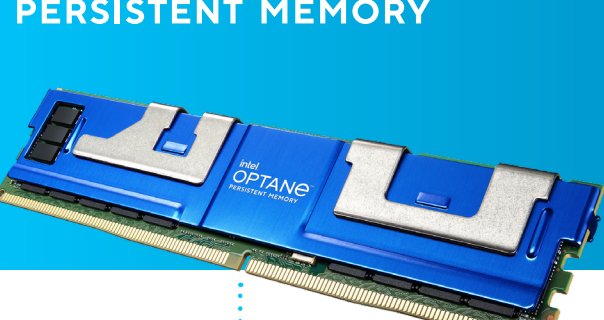
10 years

of trading data can add up to multiple petabytes that need to be accessed with minimal latency

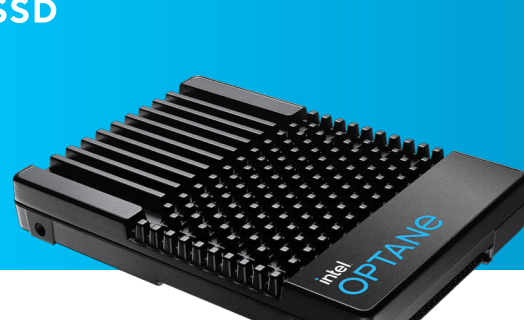
Enable faster real-time analytics with Intel® Optane™ technology

Close legacy capacity, cost, and performance gaps in existing memory and storage architecture

intel
OPTANE™
PERSISTENT MEMORY



intel
OPTANE™
SSD



**Powering
Modern
Finance**

Intel Optane technology maximizes the value of three leading financial services solutions

1

Oracle Exadata

ORACLE

- Nine of the world's ten largest financial services firms use Oracle Exadata to run databases for banking applications and customer analytics.¹
- Pairing Exadata with Intel Optane technology means greater scale to accelerate back-office and front-office applications, as well as increased security.
- Oracle Exadata X9M integrated with Intel® Optane™ persistent memory delivers:

42% lower cost per IOPS²

10x lower latency³

87% faster Analytic Scan throughput²

Aerospike Database

< AEROSPIKE

- Aerospike is a global leader in next-generation, real-time No SQL data solutions and fraud detection for any scale.
- It provides hyperscale performance to process massive datasets quickly and at extremely low latency to ensure the integrity of financial transactions and analysis.
- Intel Optane persistent memory supercharges the Aerospike database to deliver:

DRAM-like performance with
low, predictable latency⁴

10x improvement in fraud calculation data⁴

Up to
30% reduction in Cost
per cluster⁴

KX Streaming Analytics

KX

- KX helps financial services firms consume, process, analyze, and deliver actionable insights on massive amounts of real-time and historical data.
- KX Streaming Analytics reduces costs and improves productivity through anomaly detection, analytics, predictions, corrective action and automation.
- KX paired with Intel Optane persistent memory as a block-storage device delivers:

4x-12x improved analytics performance of NVMe flash storage⁵

90% of the performance of DRAM, at a fraction of the cost⁶

37% less memory required to complete data processing⁵

Instant data access and real-time analytics

Intel Optane technology gets you there

intel
OPTANE™

Learn More www.intel.com/optane

Source

¹<https://www.oracle.com/a/ocom/docs/engineered-systems/exadata/exadata-in-financial-services-industry-brief.pdf>

²<https://www.oracle.com/a/ocom/docs/engineered-systems/exadata/exadata-x9m-2-ds.pdf>

³<https://www.intel.com/content/www/us/en/customer-spotlight/stories/paypal-customer-story.html>

⁴<https://kx.com/blog/accelerating-analytics-with-intel-optane-persistent-memory/>

⁵<https://www.delltechnologies.com/asset/en-us/products/converged-infrastructure/industry-market/esg-tech-validation-dell-vxrail-and-intel-optane-pmem.pdf>

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Your costs and results may vary.

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