

Scalability for Data Growth

Instant Access for Improved Financial Analytics



In financial services, the ability to access and analyze massive data sets as quickly as possible determines **competitive advantage**

More Data in Real Time



Investments

The need to make fast, informed decisions with a combination of historical and real-time market data improves:

- Financial analytics
- Quantitative trading

Customer Experience

The ability to access historical customer data in real-time analytics applications greatly improves customer service through:

- Personalized banking
- Real-time fraud detection



Accelerate time to insights across financial services with

Intel® Optane™ Technology

intel OPTANE™ PERSISTENT MEMORY



- Affordably expand memory capacity
- Support for data persistence

intel OPTANE™ SSD



- Consistent high performance and near-nanosecond latency
- Higher endurance for longer life, less maintenance & downtime

Optimize infrastructure ROI and reduce TCO

Intel Optane Persistent Memory and MemVerge



Intel has partnered with MemVerge Inc. to create Memory Machine™

- Train and infer from AI/ML models faster
- Work with larger data sets in memory
- Complete more queries in less time
- Consistently replicate memory between servers

Let's examine one financial services firm recovering

500GB from a crash¹

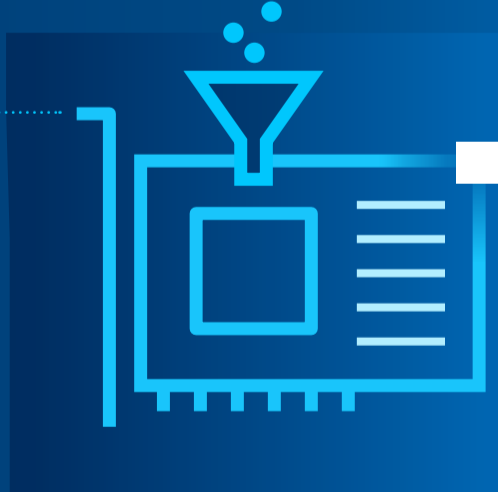
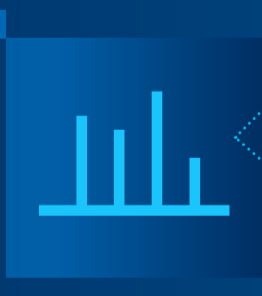
From **3 hours** to **2 seconds**

Intel Optane persistent memory paired with MemVerge Memory Machine software

resulted in **5400x** faster performance²

Intel® Optane™ SSDs & VAST Data®

With VAST Universal Storage, market data can be stored on **one tier of scalable, affordable flash** making it possible to backtest and train trading models in real time



- Driving down cost of flash infrastructure
- Bringing an end to complex storage tiering

Intel Optane technology enables

financial services institutions to effectively and efficiently extract value from massive data sets now

and into the future ▶

intel OPTANE™

Learn More www.intel.com/optane