

NeuralMesh™ is the Fastest Storage Delivery Solution For Financial Services

WEKA's NeuralMesh™ brings financial teams a unified storage system that delivers low latency, high performance, and scalability to run research faster, eliminate metadata bottlenecks, expedite simulations and backtesting, and increase overall organizational profitability.

Benefits of NeuralMesh™

Run Research Jobs Faster and Make More Money

- Instant access to large datasets equates to faster discovery
- Extreme concurrency for faster model simulations and backtesting
- Maintains peak performance as users and workloads grow

Scalable Growth Without Expanding the Physical Footprint

- Fastest performance and lowest latency per petabyte, watt, and rack
- Greater than 95% utilization of idle GPUs and CPUs
- Functions in on-premises, cloud, and hybrid environments

Operational Stability and Security Establishes Trust

- Resiliency and redundancy across both hardware and software
- Reduced manual burden, simplified automation for infrastructure teams
- Simplified backup, disaster recovery, and audit functionality

Financial Industries That Thrive With NeuralMesh

Quantitative & High Frequency Trading

NeuralMesh reduces wall clock time, allowing organizations to perform more large-scale simulations and execute back-testing efficiently and effectively

Fraud Detection & Payment Analytics

NeuralMesh provides rapid access to financial transaction data to enable organizations to detect and respond to financial threats in seconds

Risk Management

NeuralMesh Augmented Memory Grid™ offers elastic scale for seasonal demand, regulatory requirements, and complex data models

95%

GPU utilization vs. 30% with legacy infrastructure

18 → 2.5

total hourly reduction in complex backtesting runtimes

86%

reduction in future infrastructure spend

66%

reduction in database run time compared to previous Local NVMe storage

7x

simulations performed by a leading customer

Key Values

Extreme Concurrency and Speed

Superpower Existing Hardware

Tier Zero Performance

Automated Transparent Tiering to Object Storage for Scale

Zero Tuning Required

Cloud, On-Premises and Hybrid Standardization

Multi-Protocol Access Without Unnecessary Data Copies

*“Our existing Network Attached Storage (NAS) was too slow to effectively cover analytics workloads. **WEKA proved to be 10x faster** and allowed for seamless backup to our object store.”*

— Leading Capital Market Client