

The power of MCI

Enabling Low Latency Market Data
Applications with Storage Class
Memory

Brett Miller

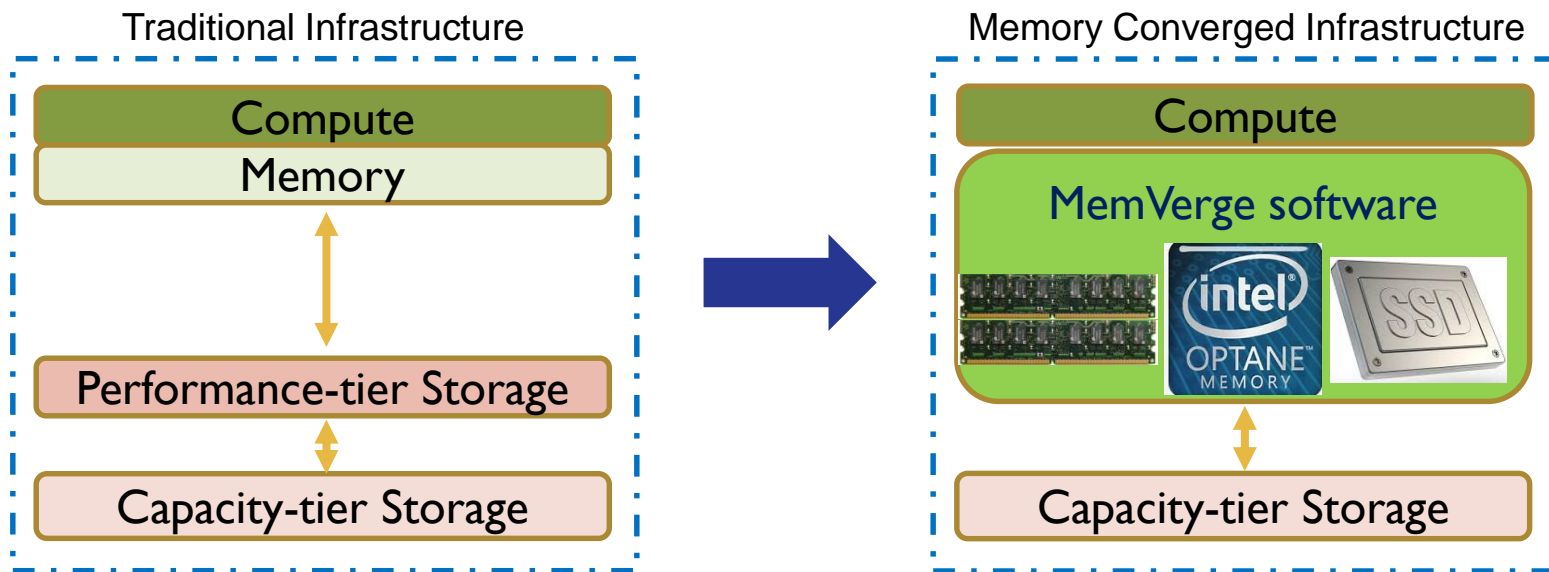
Sr Solutions Architect

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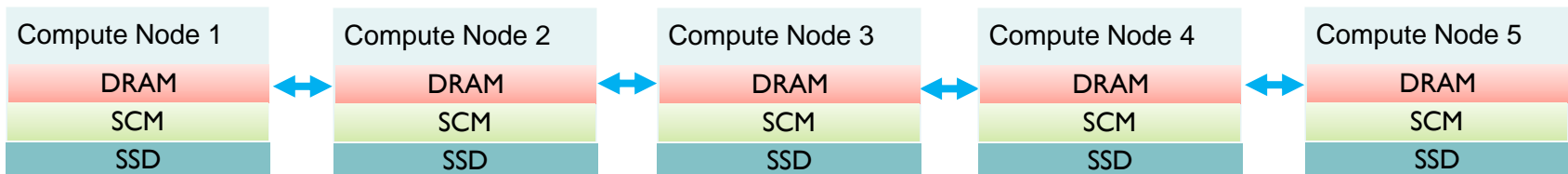
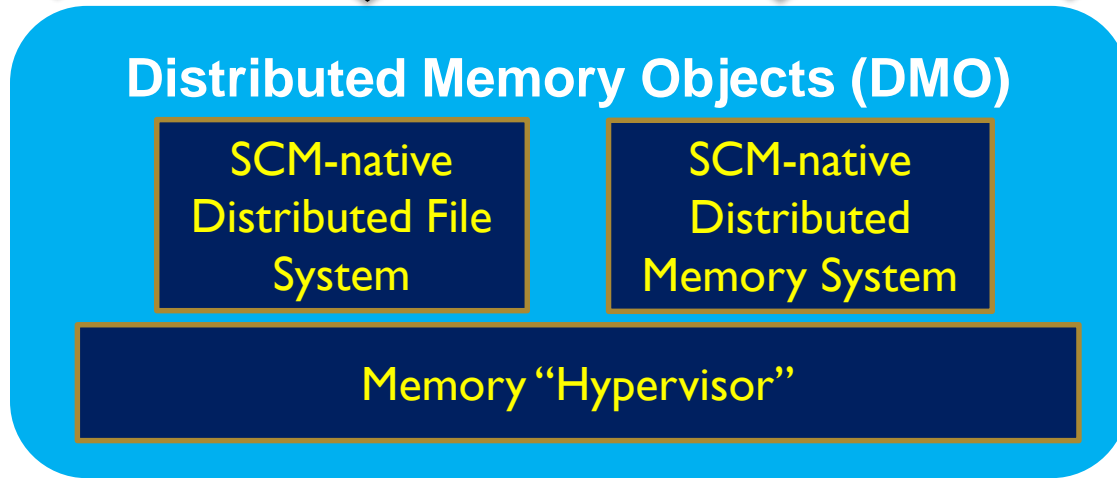
MemVerge Intro



MemVerge software leverages Storage Class Memory to deliver larger memory and faster storage to applications without requiring application rewrites.



Memory Converged Infrastructure



MemVerge in Financial Services



- **Market Replay**
 - Able to pull large data sets into pooled memory to process data in microseconds
 - Over 19TB in DCPM layer on 5 nodes
- **Multi Reader, Single Writer (Pub Sub)**
 - Supports a Very large central data structure and lower end-to-end processing time
 - Broadcast to multiple nodes within microseconds
- **KDB Acceleration**
 - Improve existing deployments of KDB with large shared memory pool
 - Build a pooled remote cache of over 10TB

MCI Starts Today



as low as **1 μ s**
Access Latency



Not STAC Benchmarks

up to **768TB**
Total Cluster Memory

up to **10M+ IOPS**
Per Node

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Memorize the Future!