

Vexata

Solid State Storage for the Cognitive Era

STAC 2018: NYC

Simply Accelerate Your Machine Learning and Analytics
Workloads

Solid State Storage for the Cognitive Era

✓ Machine Learning / AI

Scale-Out to 1PB in 6U

NVMe SSDs

✓ Event Analytics

FC / NVMe Fabrics

✓ Modeling & Simulation



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✓ Cyber-Security

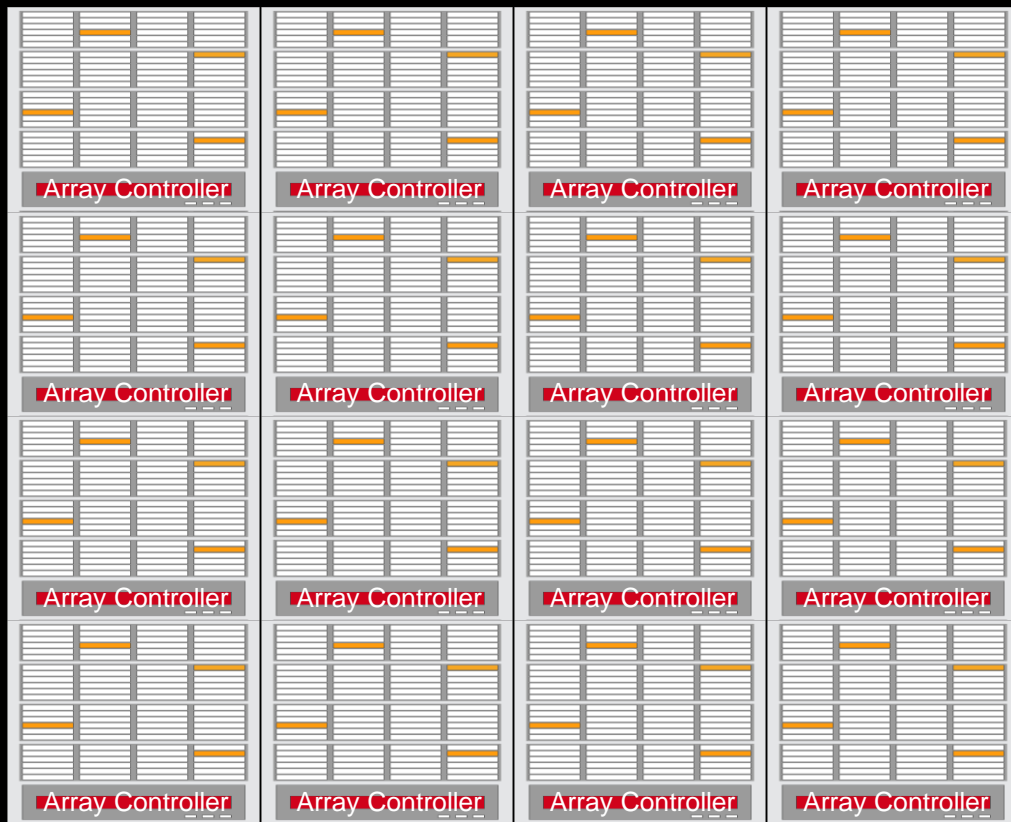
75GB/s

1.5TB/min Ingest

✓ Autonomous Systems

7M IOPS @ 220us
(Random R/W)

Cacheless Architecture



VX-100F Scalable NVMe Flash Array



ENTERPRISE USE CASES



- High Transaction Databases
- Business Intelligence
- Big Data Analytics
- Real-Time Analytics
- Time-Series Databases



RESILIENT

- Active-Active Controller HA
- RAID 5/RAID 6 Protection
- No Single Point of Failure
- Non-Disruptive Upgrades



SIMPLE AND
SCALABLE

- Scale-Out Architecture
- FC Block Interfaces
- GUI, CLI, Restful API
- Call Home



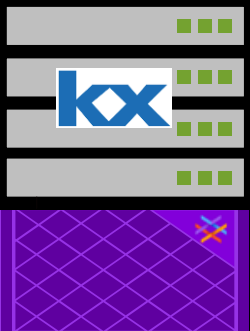
DATA
SERVICES

- Thin Provisioning
- Pattern Removal
- Space Efficient Snaps/Clones
- Data at Rest Encryption

Record Breaking STAC Benchmarks

STAC 2017

**STAC-M3 – Tick Analytics Partnership
with KX (Kdb+)**



4 Broadwell
Dual Socket
Servers

Vexata
NVMe Flash Array
w/ Intel NVMe SSDs

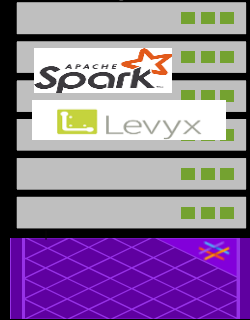
37GB/s of HYBID BW

Records in 14 of 24 benchmarks

STAC 2018

**STAC-A3 – Strategy Backtesting
(results forthcoming)**

Partnership with Levyx



6 Skylake
Dual socket
Servers

Vexata
NVMe Flash Array
w/ Intel NVMe SSDs

69.5 Instrument sims/sec with only 6 nodes

69% faster on SWEEP.SPEED2.BASE

1/3rd the cost of previous solutions (not a STAC number)