

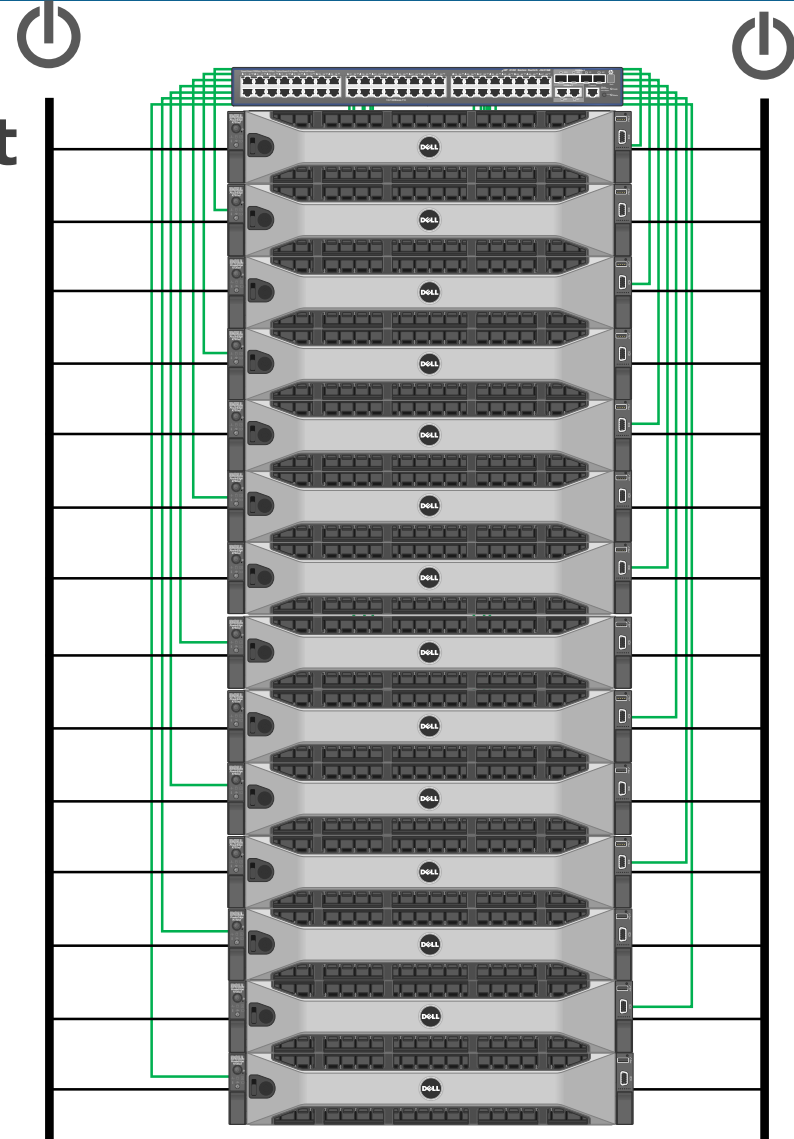


Axellio Edge Computing System

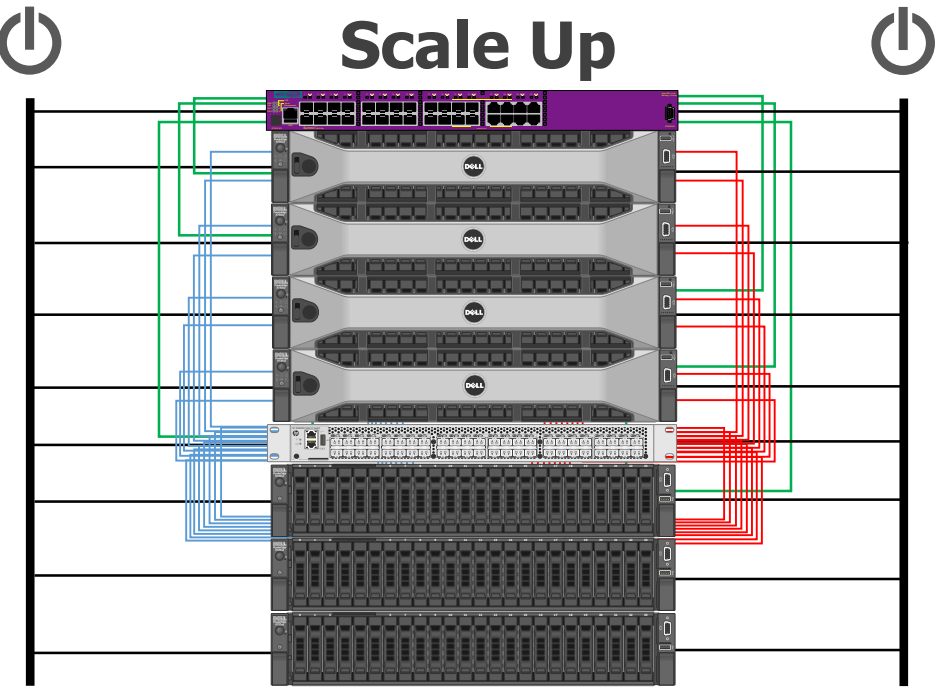
Hollis Beall

Director, Performance Engineering

Scale Out



Scale Up



Scale In



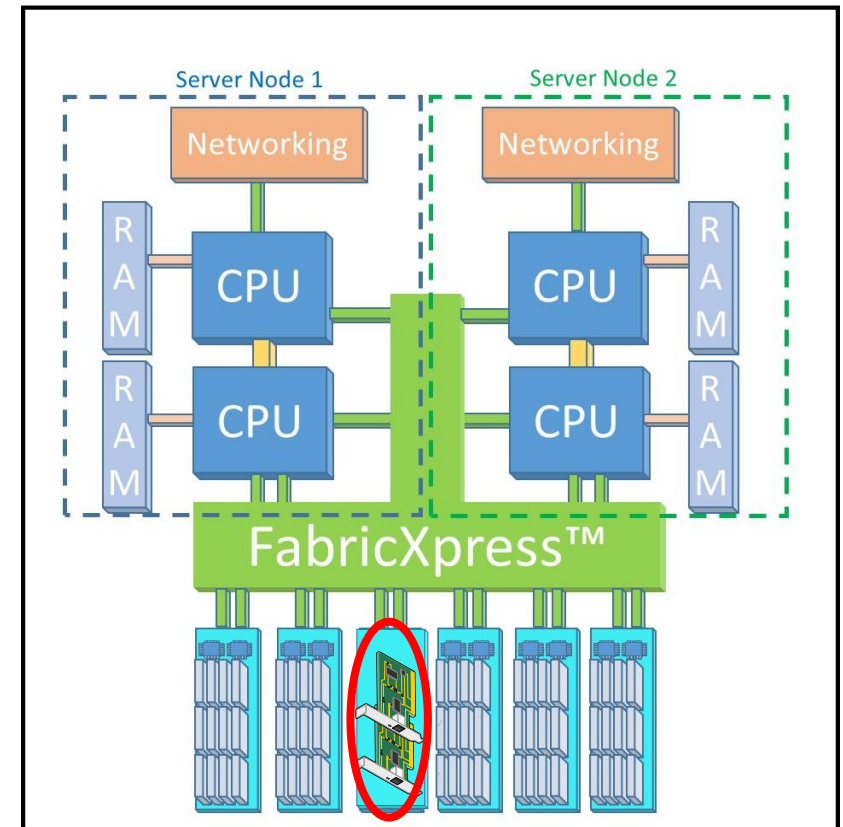
AXELLIO™



Converged Server Storage Appliance

- Financial Market Data Analysis
 - Regulatory Compliance
 - Algorithmic Trading
- Cyber Security
 - Packet Capture and Analysis
 - Deep Packet Inspection
- Defense and Intelligence
 - Active Adversary Pursuit (HUNT) Operations Platform
 - Active Network Defense
 - Sensor Fusion/Actionable Intelligence
- Internet of Things
 - Smart Power Grid/Electric Meters
 - Anomaly Detection and Response

- 2U form factor
- 4 socket intel e5-26xx v3 & v4 CPUs
 - Up to **88 cores/176 threads**
 - Upgradable as Intel releases new CPUs
- 32 DIMMs, 16GB – 2TB
- Enterprise Grade, Industry-Standard NVMe Storage
 - 12 to 72 x 2.5" Dual-Port NVMe SSDs
 - Up to **1PB** of ultra high performance flash with 16TB NVMe SSDs (2017)
 - >12 Million IOPS, as low as 35 μ s latency, 60 GB/s sustained throughput
- Optional PCIe offload and expansion modules
 - 2x Intel Phi – CPU extension for parallel compute
 - 2x Nvidia GPU – Machine Learning, Real-Time Video Processing
 - Precision Timing Protocol (PTP) Packet Capture (PCAP) offload





Ranked #1 on Cybersecurity 500



Vault report: STAC-M3 with X-IO Axellio and kdb+
*Unaudited benchmark results for a combined
compute/storage architecture*

THANK YOU!

Please visit us at the STAC Exchange