LIGHTSPEED

UPDATE FOR GLOBAL STAC LIVE, FALL 2020



QUICK BUSINESS UPDATE

FASTEST GROWING COMPANY IN STORAGE HISTORY

600%Y/Y GROWTH

TOM MENDOZA JOINS BOARD

GARTNER 2020 COOLVENDOR

PLATFORM OF CHOICE FOR MARKET DATA COMPUTING

NE UNIVERSAL DATA PLATFORM

FOR /

This is the storage architecture of the future.

IDC, 2020

ALL-NVMe PERFORMANCE

Write at Intel Optane SSD speeds, Read at TB/s, Millions of IOPS

TIER-5 COST EFFICIENCY

Engineered at every level to deliver unrivaled system efficiency

EXABYTE-SCALE NAS & OBJECT

ONS.

Storage exceeding the capacity needs of any size organization

STORAGETIERING DOESN'T WORK FOR A.I.

HARD DRIVE ACCESSES CAN RESULT IN 50X SLOWER I/O FOR AI APPLICATIONS.



"St Lus a

"Storage systems, such as those that support Lustre and burst buffers, are not designed for and often perform poorly for these readheavy, random access workloads"

> Al for Science Report, US Department of Energy

Gartner



"The newer NVMe SSDs and storage-class memory can ameliorate the low-bandwidth and high- latency challenges associated with neural networks, while the quad-level cell (QLC) drives offer flexibility to balance

Prepare Your Storage and Data Management Strategy for the Impact of Artificial Intelligence Workloads, Gartner

costs relative to sheer volume of data to be stored"

LIGHTSPEED IS NOT ONLY A PRODUCT.

IT'S A MACHINE LEARNING STORAGE PHILOSOPHY.

THE LIGHT-TOUCH SIMPLICITY OF NAS

THE SPEED TO SUPPORT ANY AI AMBITION



UNLEASH THE AI PROCESSOR



DGX-A100 BENCHMARKING

TAKING NFS TO THE NEXT LEVEL



TESTED WITH GDSIO • 1 x DGX-A100 • 5 x VAST CBOX SERVER CHASSIS & 5 x VAST LIGHTSPEED ENCLOSURES • 4MB I/O SIZE • 4GB FILE SIZE • 96 THREADS x 8GPUs BENCHMARK PERFORMED WITH NVIDIA, NOT STAC

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THE DATA CENTER BECOMES THE TRAINING CENTER AFFORDABLE, WEB-SCALE DISTRIBUTED FLASH ARCHITECTURE FOR ALL YOUR DATA



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SIMPLICITY, PERFORMANCE AND SCALE TO POWER THE NEXT DECADE OF MACHINE INTELLIGENCE

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