THE ERA OF AI IS HERE
Enterprises will tap the power of AI for faster innovation and a competitive edge. Yet AI requires a completely new infrastructure, and the complexities of legacy solutions are holding enterprises back from moving into the new era of intelligence.

“DO-IT-YOURSELF” OFTEN YOUR ONLY OPTION
AI requires new, modern technologies like GPUs, scale-out flash, and RDMA fabric to move tremendous amounts of data. Unfortunately, too many AI initiatives are stalled with the complexities of a “do-it-yourself” approach using legacy technologies, leading to months of delays and idle time.

AI-AT-SCALE MADE SIMPLE AND FAST
AIRI™ is the industry’s first complete AI-ready infrastructure, architected by Pure Storage® and NVIDIA® to extend the power of NVIDIA® DGX™ systems. Powered by FlashBlade™ storage and NVIDIA DGX A100 servers, AIRI offers enterprises a simple, fast, and future-proof infrastructure to meet their AI demands at any scale.

AIRI AI SOLUTION
ARCHITECTED BY PURE STORAGE AND NVIDIA, ENABLING AI-AT-SCALE FOR EVERY ENTERPRISE

HARDWARE
4x NVIDIA® DGX A100™ SYSTEMS
20 PFLOPS of AI Performance

PURE STORAGE
15x 17TB Blades
1.5M NFS IOPS

MELLANOX
2x 100Gb Ethernet Switches with RDMA

SOFTWARE
NVIDIA DGX SOFTWARE STACK
NVIDIA Optimized Containers
ONE PLATFORM FOR ALL AI WORKLOADS

Traditional approaches to AI infrastructure result in silos of servers and storage that are over-spent on capacity or starve AI workloads. AI data centers need a new platform suited to the unique demands of analytics, training and inference. Built on DGX A100 as the compute building block, AIRI flexibly adapts to business demand as AI models move from prototyping to deployment, with one universal AI system that offers right-sized resources for every workload, and consolidates silos into a single elastic AI infrastructure.

25 RACKS UNDER 50 INCHES

AI pushes beyond the reach of legacy technologies like serial CPUs and spinning disks. At the core of AIRI are NVIDIA® DGX A100™ servers and FlashBlade, industry-leading solutions architected for AI. Each replaces the performance of racks of legacy technology, offering data scientists the power of a large supercomputer for any AI initiative.

DATA BOTTLENECKS, ELIMINATED

“Do-it-yourself” infrastructure requires constant tuning. As one bottleneck is resolved, another often shows up somewhere else in the system, resulting in weeks to months of lost productivity. AIRI is a complete infrastructure, tuned from software to hardware to keep the GPUs busy for workloads at any scale.
AIDI TECHNOLOGY STACK
EXTENDING THE POWER OF NVIDIA DGX A100 SYSTEMS FOR AI-AT-SCALE

AIDI is built with a complete software stack enabling data scientists to get up and running in a few hours, not weeks or months.

CUSTOMER HIGHLIGHT
LEADING SOLUTIONS PROVIDER BRINGING AI TO ALL ENTERPRISES
ElementAI is an artificial intelligence solutions provider that gives organizations unparalleled access to cutting-edge technology. It is founded by leading AI experts, including Yoshua Bengio, who is widely considered to be one of the three pioneers of deep learning.

“Our team at Element AI is already benefiting from the AIDI architecture and how it simplifies implementing more efficient AI Infrastructures for the enterprise,”
“Together with the NVIDIA A100 GPU and the PureStorage FlashBlades—AIDI takes building a scalable but also very flexible infrastructure to the next level,”

- Ludwig Gamache, Director of IT at Element AI

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