Pliops and Hammerspace

Integrating Pliops Extreme Data Processor (XDP) with the Hammerspace Global Data Platform

PLiOPS EXTREME DATA PROCESSOR

SOLUTION BRIEF

With the growing expansion of datasets to petabyte and even exabyte scale as well as rising associated infrastructure costs, the need for a cost-effective solution with enhanced data infrastructure reliability and resiliency, in addition to accelerated performance for storage nodes and clusters, has never been more critical.

The combination of Pliops' XDP PCIe Gen 5 card and the Hammerspace Global Data Environment offers compelling technical and financial benefits. By combining XDP's capability to increase reliability, performance, scalability, and data protection at a lower cost/TB, with the advanced Data Orchestration capabilities of Hammerspace, organizations can optimize node and cluster-level data storage in their Global Data Platform. The solution also addresses the urgent need to seamlessly orchestrate data across multiple storage types, geographical locations, and cloud and on-premises storage.

Solution Benefits

Global Data Visibility

- Gain a comprehensive view of your data across all locations. Seamlessly transform your data into a unified globally-available Hyperscale NAS architecture.

Automated Data Orchestration

- Overcome data gravity challenges with automated, non-disruptive data orchestration on a global scale, regardless of whether your data resides at the edge, in a datacenter, or in the cloud, Hammerspace ensures seamless data orchestration.

Use Cases
AI
Cloudscale
HPC
Digital Content

Scalable Storage for Large Data Sets

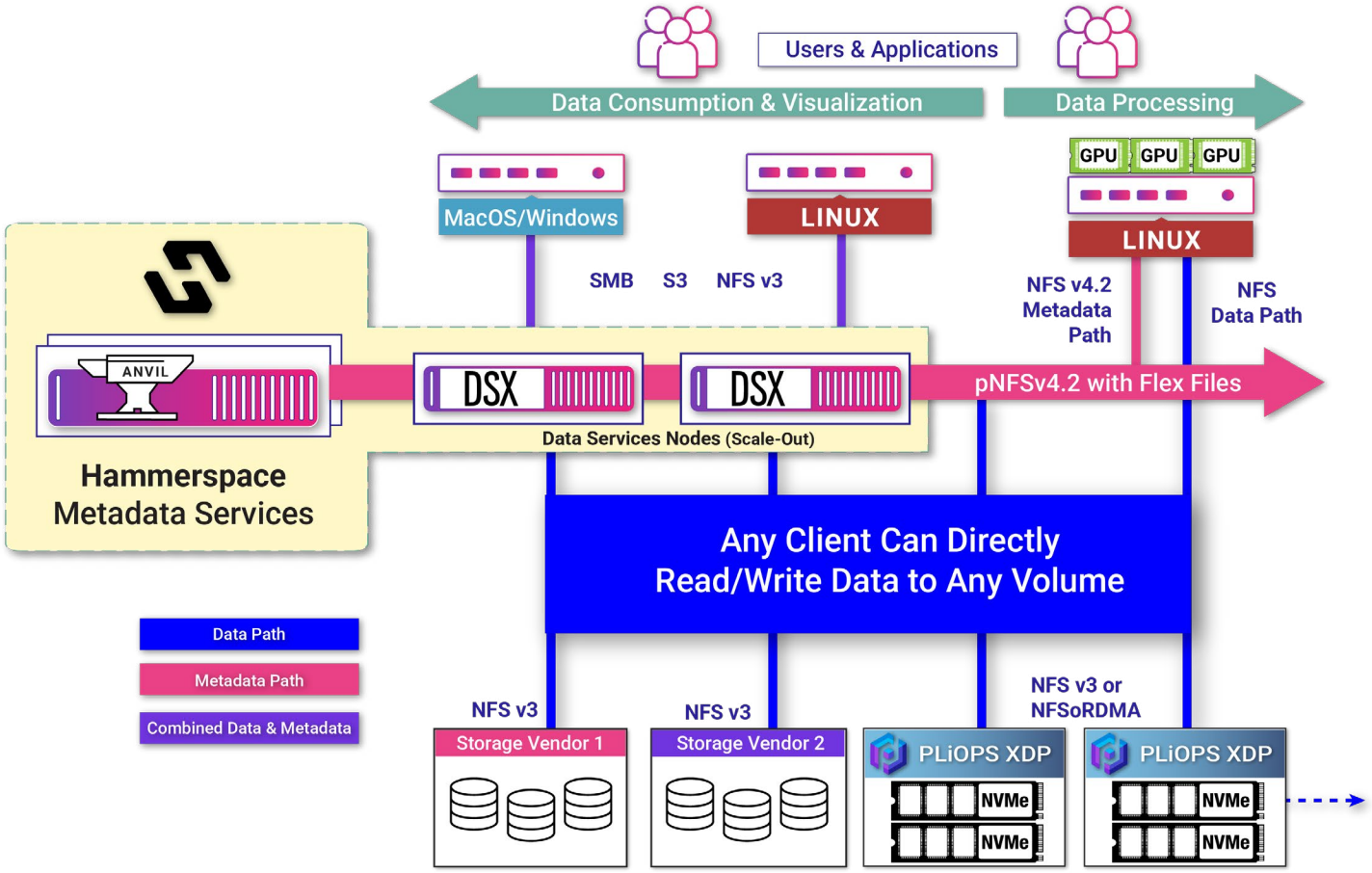
- With datasets growing to support cloud infrastructure and next-generation AI workloads, the ability to scale storage is critical. Pliops XDP, with its data accelerating capabilities, ensures predictable and consistent performance, even during ultra-fast drive re-builds.

Best in Class Data Infrastructure Reliability and Resiliency

- Elimination of blast radius anxiety with Pliops XDP no compromise integrated node-level RAID 5/6 level data protection.

Increase SSD Usage and Efficiencies

- Pliops XDP data-shaping technologies extend endurance and useful life of TLC as well as QLC-based SSDs, achieving write-amplification at near 1 and dramatically reducing TCO and replacement costs.



About Pliops

Pliops is a technology innovator focused on making data centers run faster and more efficiently. The company's Extreme Data Processor (XDP) radically simplifies the way data is processed and flash is managed. Pliops overcomes storage inefficiencies to massively accelerate performance and dramatically reduce overall infrastructure costs for data-hungry applications. Founded in 2017, Pliops has been named a few times one of the 10 hottest semiconductor startups. The company has raised over $200 million to date from leading investors including Koch Disruptive Technologies, State of Mind Ventures Momentum, Intel Capital, Viola Ventures, SoftBank Ventures Asia, Expon Capital, NVIDIA, AMD, Western Digital, SK hynix and Alicorn. For more information, visit www.pliops.com.

About Hammerspace

Hammerspace is radically changing how unstructured data is used and preserved. Our Global Data Platform unifies unstructured data across edge, data centers, and clouds. It provides extreme parallel performance for AI, GPUs, and high-speed data analytics, and orchestrates data to any location and any storage system. This approach creates a Global Data Platform that eliminates data silos and makes data an instantly accessible resource for users, applications, and compute clusters, no matter where they are located.