

Preparing Your Infrastructure Strategy for GenAI

STAC 2024



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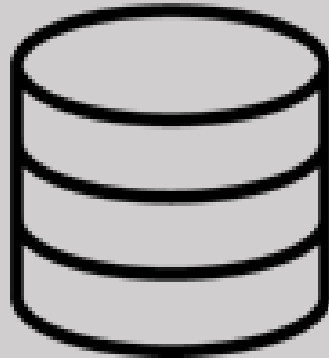
HAMMERSPACE

Check the Hammerspace box on your Response Card!

Goal to Radically Improve How Data Is Used

AI is forcing a long-overdue industry reckoning to implement radical changes in how data is used and preserved

FROM: Data Placed to Rest in Storage



TO: Data in Motion Across a Global Data Environment



Addressing Requirements of AI and GPU Computing

Deep Learning

LLM Training

Generative AI

Scientific Computing

Video and Image Rendering

Data Analytics

Extreme Parallel Performance to Feed GPUs



Hyperscale NAS Architecture

Gather and Assemble Existing Data



Data-in-Place Assimilation

Efficiently Move Data to Compute Resources



Data Orchestration

Multi-Site, Hybrid-Cloud, Multi-Cloud



Parallel Global File System

Metadata-Driven Workloads and Pipelines



Programmable Metadata

Data Security and Governance

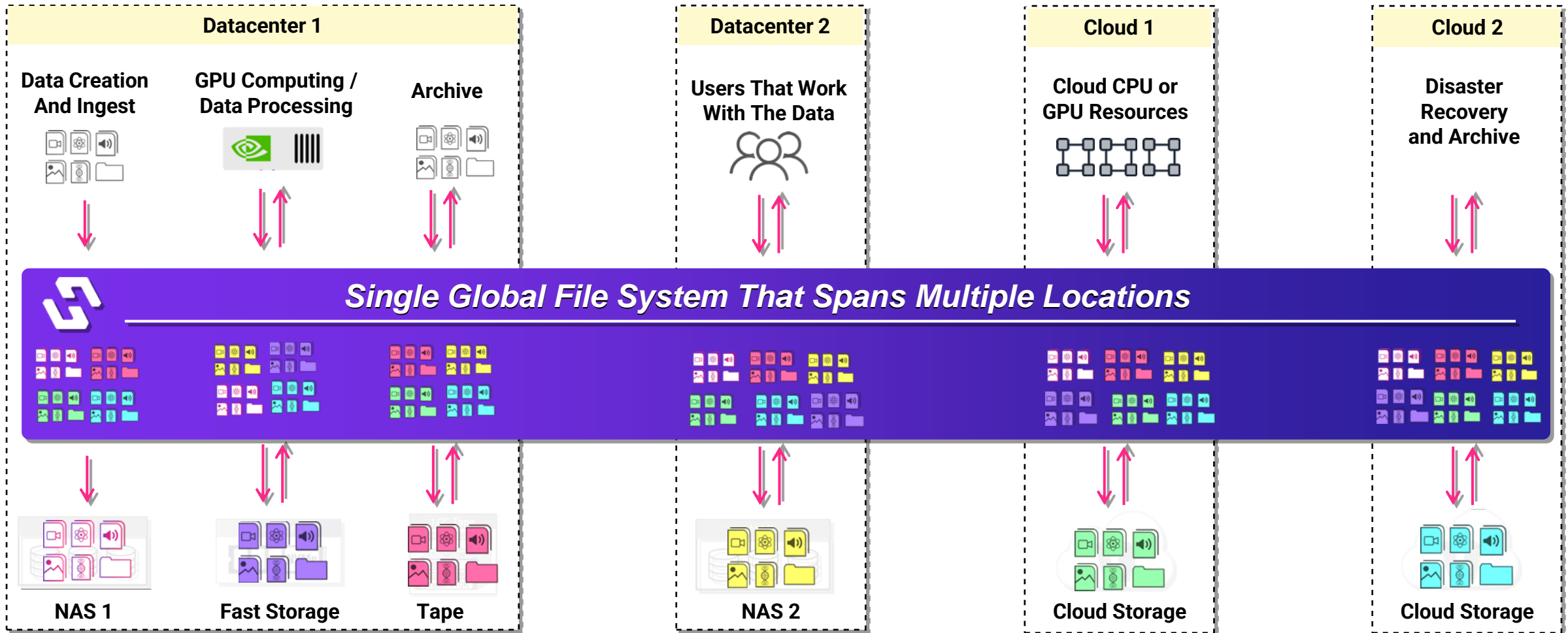


Advanced Data Services



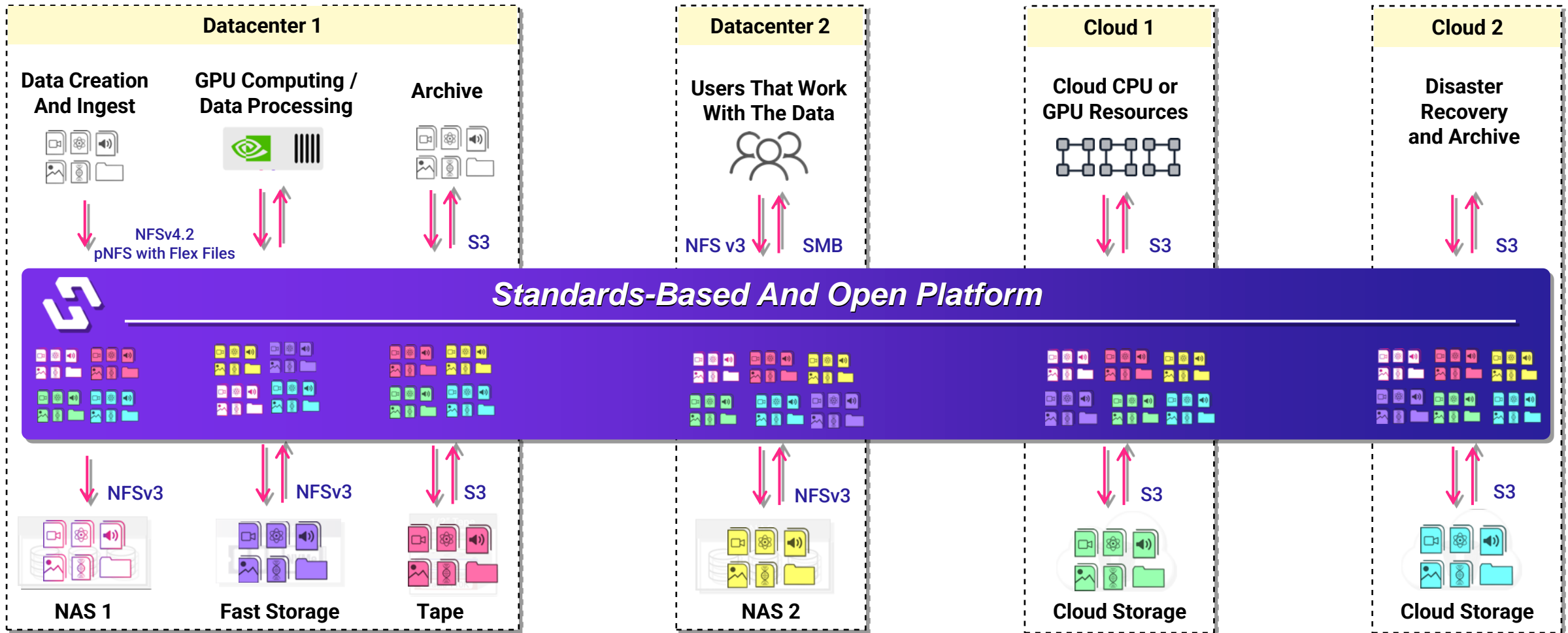
Hammerspace Changes the Paradigm

Hammerspace virtualizes the underlying storage infrastructure, so all authorized users and applications can access the same data simultaneously.



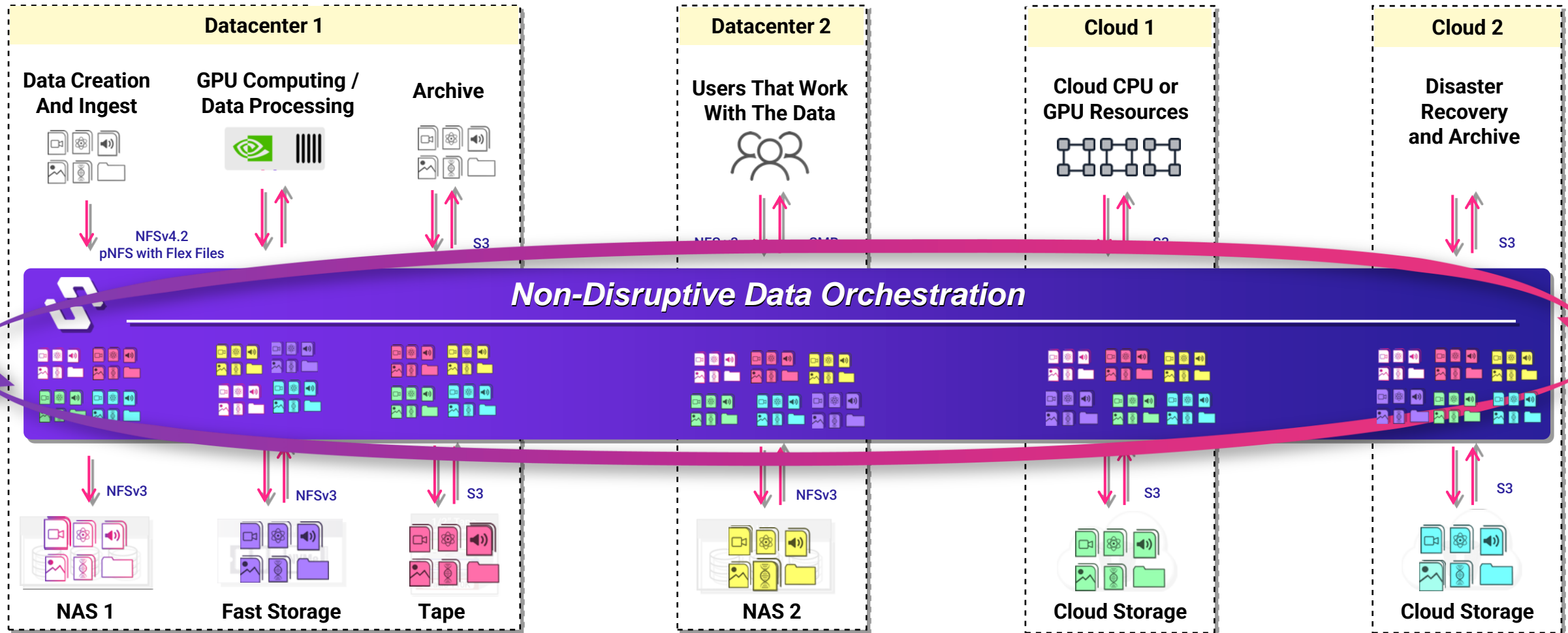
Hammerspace Changes the Paradigm

Hammerspace provides fast data access using industry-standard protocols, including a direct data path between Linux clients and storage for high-speed data processing.



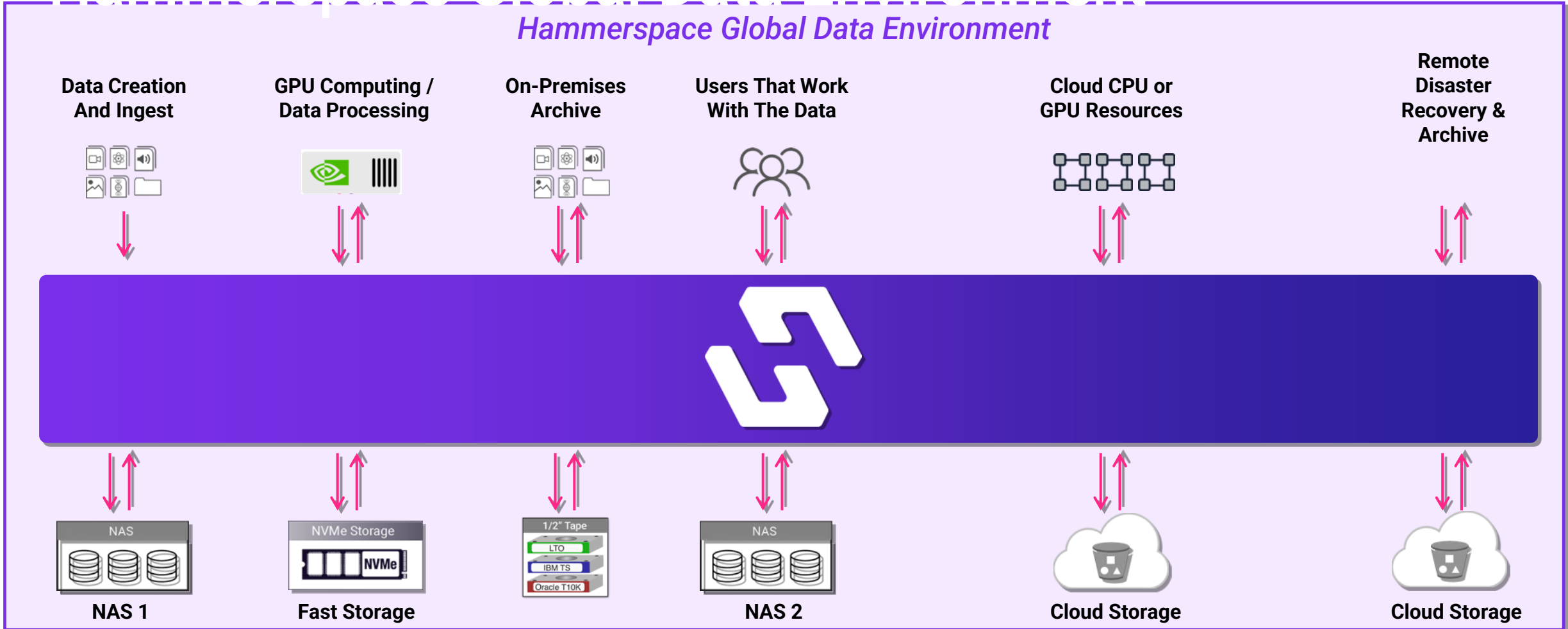
Hammerspace Changes the Paradigm

Hammerspace automates data orchestration behind the scenes, transparent to users even on live data.



Hammerspace Global Data Environment

Unify and automate unstructured data across any data center, any cloud, anywhere



**Check the Hammerspace box on your Response Card
and we'll send you the Meta Case Study!**



Customer Story: AI Training at Hyperscale

"What Hammerspace does is pure magic."

-Paul Saab, Principal Engineer Meta

About the Customer

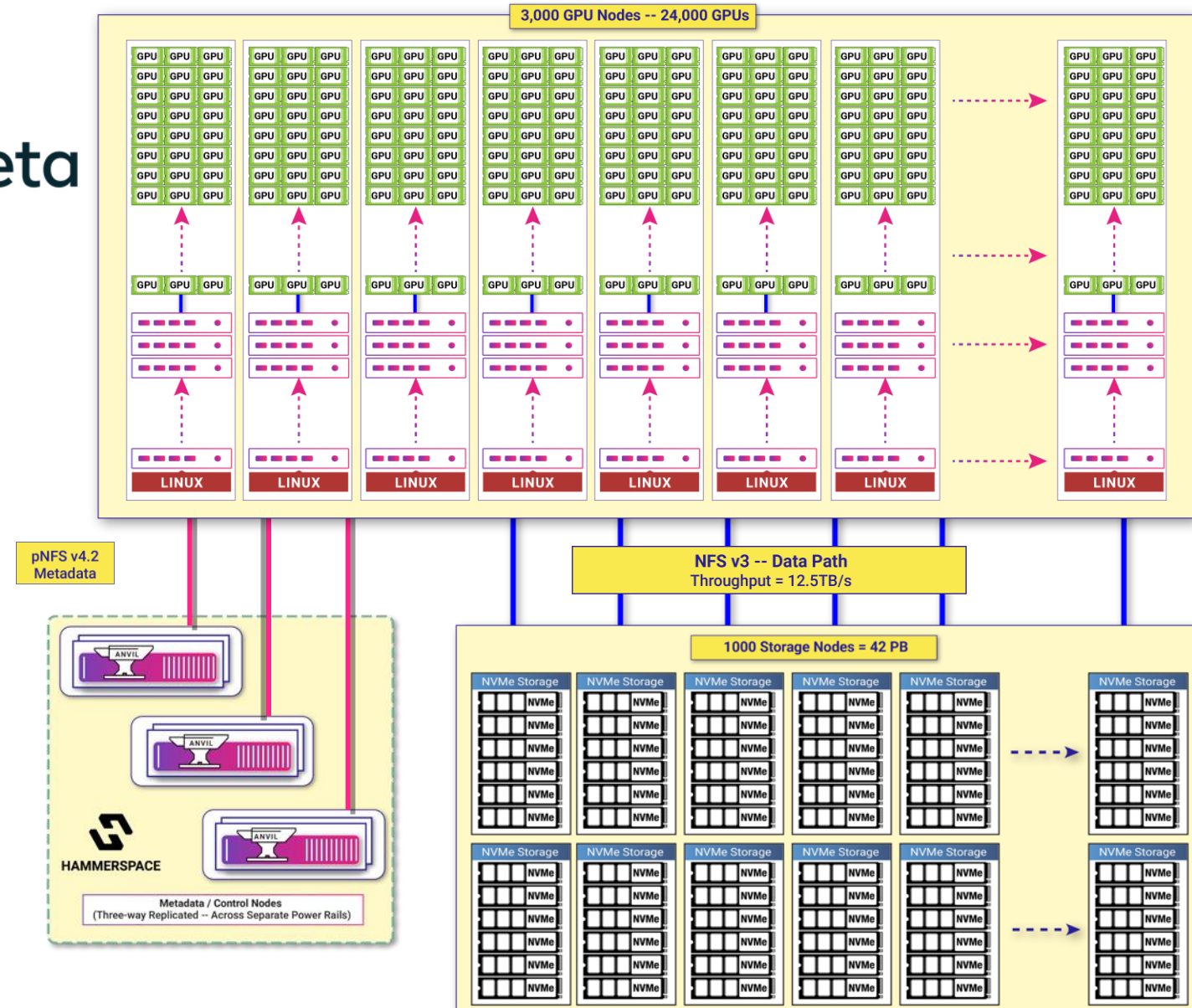
- Largest web property in the world
- Training LLMs and other Gen AI models
- Massive performance and scale demands
- Evaluated leading storage vendors



Hammerspace Solution

- No vendor even came close to Hammerspace's capabilities
- 1,000+ node Hammerspace storage cluster
- Feeding 24,000 GPUs, soon to be 350,000, then 1M
- Aggregate performance of 12.5TB/sec (100Tb/sec)
- Everything is standards-based and plug-n-play
- Customer was able to use existing OCP storage servers

Not STAC Benchmarks



Thank you

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