

Equinix Private AI with VAST



Accelerate Your AI Workloads with Multicloud Data at Equinix

Integrating NVIDIA DGX systems at Equinix data centers with the VAST Data Platform offers a compelling solution for organizations looking to train and leverage AI models. Equinix's Private AI setup provides a turnkey, ready-to-run AI development platform that unifies on-premises and cloud resources under a single management interface. By colocating GPUs near data sources and leveraging Equinix's high-speed connectivity to public clouds and network service providers, organizations can efficiently ingest and process data across corporate Wide Area Networks (WANs).

Equinix's managed services, colocation facilities, and interconnection solutions paired with VAST's advanced storage technology allows enterprises to scale their AI centers of excellence effectively. This integrated approach delivers exceptional computational performance and storage efficiency, enabling immediate productivity gains.

Additionally, using this pre-configured platform accelerates deployment compared to building a custom solution from the ground up. Equinix's Private AI integrated with the VAST Data Platform is specifically tuned for AI and data science workloads, such as training AI models, rather than general-purpose cloud-native applications. This specialization enables AI teams to get up and running faster, bypassing the typical bottlenecks associated with configuring and optimizing infrastructure. As a result, engineers can focus on developing and refining AI models without the overhead of managing hardware and software environments, and speeding up the overall innovation cycle.

Benefits for Enterprise AI Deployments:



Equinix Network

260 AI-ready, high-performance data centers in 71 metros and 34 countries.



AI Enterprise Ready

Private AI is securely connected with multi-cloud networking and delivers industry-leading liquid cooling and sustainability benefits.



Operational Simplicity

With VAST and Equinix Private AI, the complexity of the underlying infrastructure and data center environment is fully managed.

The VAST Data Platform

The VAST Data Platform is a breakthrough approach to data-intensive computing, serving as the comprehensive software infrastructure required to capture, catalog, refine, enrich, and preserve data through real-time deep data analysis and deep learning.

What sets the VAST Data Platform apart is its ability to seamlessly integrate with and meet the performance demands of AI workloads. All data from edge-to-cloud can be read or written using industry-standard NFS, SMB, S3, K8S CSI, GPUDirect™, and RDMA protocols. This ensures all your workloads can access data the way they were designed to, while fully supporting your AI initiatives.

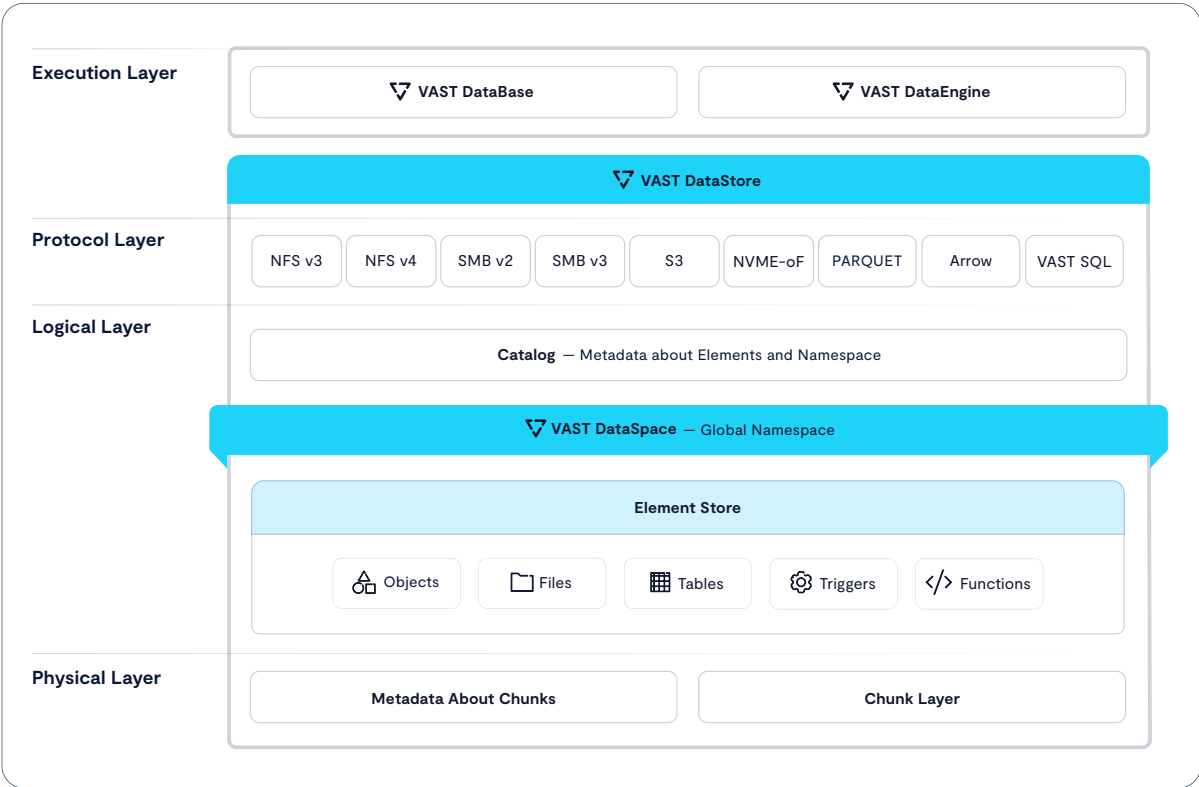


Figure 2. The VAST Data Platform is a single namespace solution that provides multi-protocol file and object storage (DataStore), high-performance data warehousing (DataBase), and multi-site global data access (DataSpace).

Automated Data Prep

Elevate your data layer to include triggers and functions to automate intelligent data flow.

Ingest Any Data

Regardless of structure or protocol, any data can be ingested and processed in a single data platform, preserving the provenance, and security of your data.

Keep the GPUs saturated

Leverage GPUs throughout the AI data pipeline including data prep, training, and inferencing.

Looking to simplify your data center and discover insights in all of your data? Contact us at hello@vastdata.com