Solution Brief

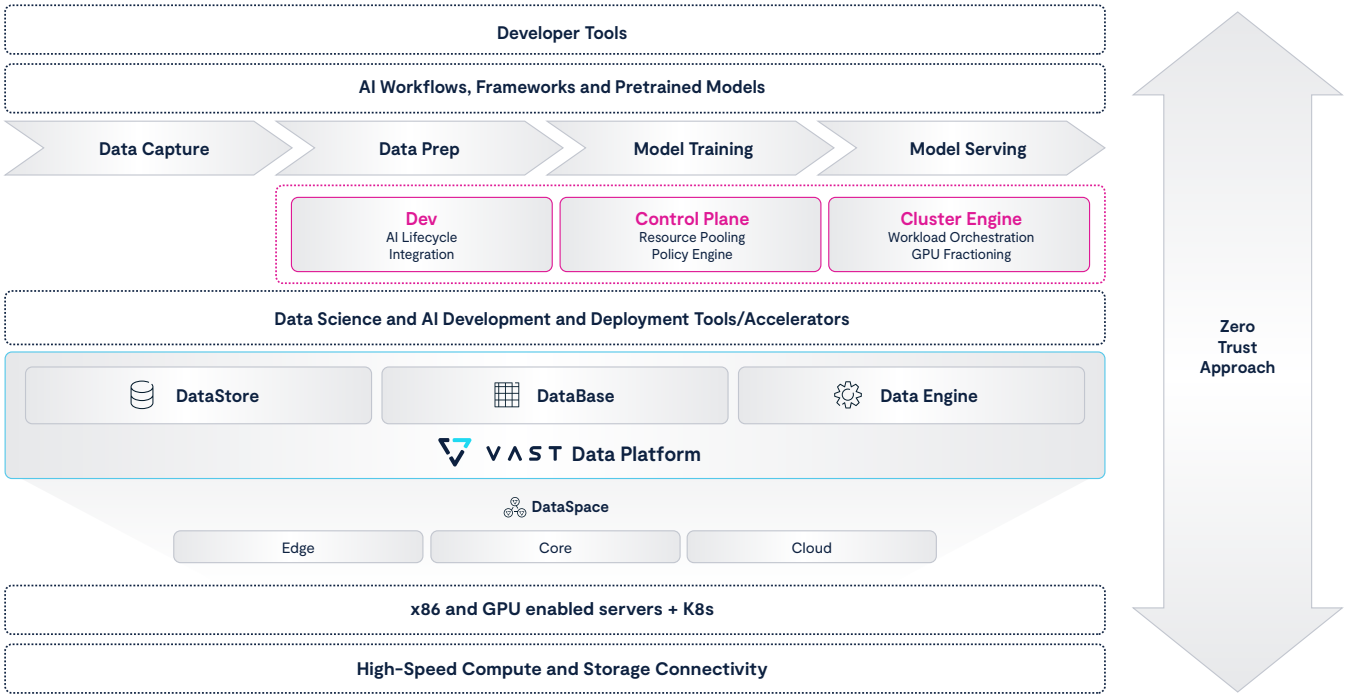
Revolutionizing AI Operations at Scale with VAST Data + Run:ai



Tackling AI Operational Hurdles

In the thriving era of AI, enterprises grapple with operationalizing large-scale AI initiatives, facing challenges such as inefficient resource allocation and constant data movement. The absence of robust controls for data access, encryption, and traceability further heightens security risks and regulatory concerns. A recent Deloitte survey underscores these challenges, revealing that organizations overwhelmingly prioritize tactical advantages in AI initiatives. Notably, 56% focus on enhancing efficiency and productivity, while 35% strive for cost reduction. These statistics highlight the critical need for streamlined resource sharing, optimized data workflows, and full-stack visibility, integrating robust security and access controls throughout the end-to-end AI pipeline.

Amid this strategic shift, organizations are racing to seamlessly integrate AI across all business functions without exposing themselves to potential risks. In response to this imperative, VAST Data, the AI data platform company, and Run:ai, a leader in AI Infrastructure Management, have united to unveil a transformative joint solution, redefining large-scale AI operations. This full-stack offering seamlessly integrates compute, storage, and data management, addressing the critical needs of enterprises embarking on ambitious AI initiatives—all while prioritizing risk mitigation in the evolving landscape of the AI era.



Simplify AI with Streamlined Operations

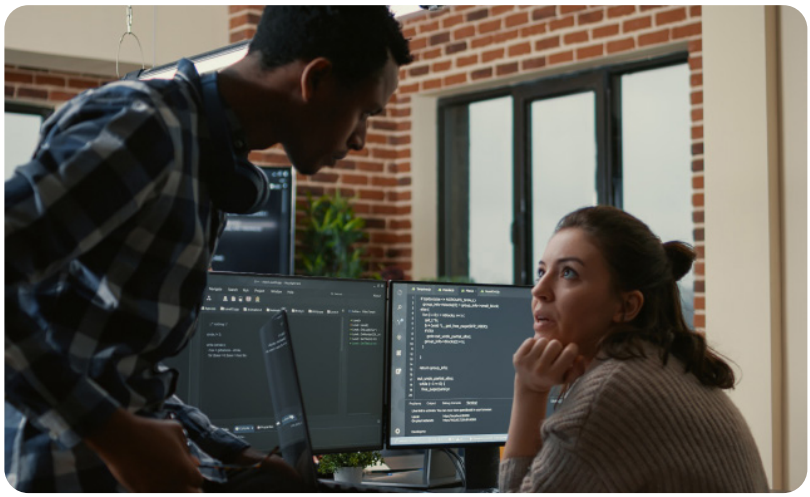
The synergy between the VAST Data Platform and Run:ai delivers a comprehensive AI management solution, offering enterprises unparalleled flexibility through a streamlined and developer-friendly AI pipeline, along with simplified deployment and AI infrastructure management.

- Streamline AI deployment through fair-share resource scheduling and simplify multi-GPU distributed training
- Perform AI infrastructure lifecycle management operations without disruption, while scaling resources independently
- Deliver seamless and secure data access across geographies and multi-cloud environments with the VAST DataSpace.

Scale AI to Accelerate Performance and Savings

Recognizing the pivotal role of Cloud Service Providers (CSPs) in ensuring GPU availability, VAST Data and Run:ai provide a validated blueprint for efficiently deploying and managing optimized end-to-end AI pipelines across edge, core, and cloud environments. From multi-protocol ingest to model training and inferencing, accelerate data preparation through the utilization of NVIDIA RAPIDS and the VAST DataBase.

- Manage and secure AI hybrid environments efficiently with a proven framework for enterprise-grade AI deployments
- Orchestrate compute and data resources for maximum performance potential and enhanced service delivery
- Improve data isolation and utilization for optimized resource management and cost-efficiency



Why VAST + Run:ai?

Simplify AI with Streamlined Operations

Comprehensive visibility: Achieve deeper data management and visibility across the entire AI pipeline

Effortless AI Deployment: Streamline AI deployment and management with intuitive features for simplified operations

Ease of Use: Enhance data scientists' experience with interactive environments and large-scale training support

Scale AI to Accelerate Performance and Savings

Maximum Performance Potential: Optimize resource utilization and AI infrastructure performance

Cost-Effective AI for the Hybrid Cloud: Employ a validated blueprint to manage and deploy budget-friendly AI solutions in hybrid cloud environments

End-to-End AI Pipeline Optimization: Accelerate data preparation with NVIDIA RAPIDS Accelerator and the VAST DataBase

Empower Responsible AI for Security, Cyber Resilience, and Compliance:

Enhanced Security Measures: Utilize advanced encryption and access-based controls for robust protection of AI data and infrastructure resources

Responsible AI Practices: Integrate immutability, encryption, and responsible AI data management practices for a compliant AI journey

Fair-Share Access: Overcome the challenge of providing secure and equitable access to compute and data resources for diverse data science teams



Empower Responsible AI for Security, Cyber Resilience, and Compliance

This innovative solution integrates VAST Data Platform Zero Trust security features, championing cyber resilience through principles like immutability, encryption, multi-factor authentication, and role-based access controls. It ensures responsible AI practices, providing unparalleled visibility and secure data management across the entire AI pipeline, catering to diverse data science teams, while maintaining compliance standards.

- Enhance security using advanced encryption and access controls to protect AI data, models, infrastructure, and users
- Ensure comprehensive visibility to data provenance and lineage throughout the AI pipeline
- Establish equitable and secure access to compute and data resources

Embark on a Transformative Journey into the Future of AI

Explore the comprehensive advantages in operational simplicity, cost savings, and enhanced security our solution offers for your AI initiatives. Visit vastdata.com and run.ai to learn how to optimize your AI experience.

Trusted by Industry Leaders

VAST & Run:ai are trusted by leading organizations around the globe to fuel innovation, accelerate insights, and gain a competitive edge to maximize business success.

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