Solution Brief

VAST AI OS on Oracle Cloud

One Unified Data Platform, OCI Cloud Services

Enterprises everywhere are accelerating their AI programs. They have years of valuable data stored on-premises or across distributed environments, but access to large-scale compute is limited. As demand for AI training and inference grows, many organizations want to use cloud AI accelerators to supplement on-premises capacity.

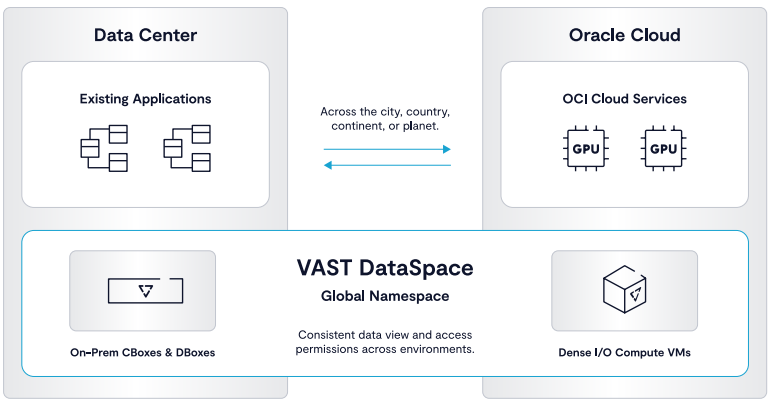
However, enterprise knowledge and business-relevant data remain hidden behind isolated protocols, fragmented systems, and disconnected point solutions.

Customers need an AI OS that provides unified data access, delivers global data visibility, supports SQL-like queries, offers event-driven processing, and automates lifecycle management to keep data discoverable, governed, and AI-ready across every environment. That's exactly what the VAST AI Operating System (VAST AI OS) delivers in Oracle Cloud Infrastructure (OCI).

Hybrid Cloud AI with VAST AI OS

VAST on Cloud enables customers to extend their VAST environments into OCI. The VAST AI OS installs directly on Dense I/O compute instances that include locally attached NVMe-based SSDs and connects back to on-prem clusters using a global namespace.

The VAST Data Platform



VAST AI Data Platform

GPU Utilization

Maximize OCI GPU utilization without having to pre-stage all your data.

Edge-to-Cloud Access

Access and interact with your data anywhere without copies or complexity.

Security

Unified global permissions model ensures security and compliance across all environments.

Compatibility

Works natively with PyTorch, TensorFlow, JAX, Docker, and Hugging Face.

Tying this together, VAST Polaris gives you a single control plane over the hybrid estate. Rather than managing each cluster, region, and location as its own silo, your team sees and governs every site through one interface, turning what would otherwise be a sprawl of independent deployments into a single, coherently operated system.

Data in the Driver's Seat: Fueling OCI AI Services

IT leaders are being pushed to move faster on AI and analytics, but their data works against them. It sits across on-premises systems, other clouds, object stores, event brokers, and databases that were never built to talk to each other. The usual fix is to move all of it into OCI, which runs up the bill, adds operational headaches, and pushes results further out.

- **Accelerate innovation by pairing the VAST AI OS with OCI services.** VAST AI OS gives OCI AI services direct access to structured and unstructured data, so fine-tuning, inferencing, and experimentation all move faster.
- **Harness enterprise knowledge with a unified data platform.** Turn scattered data into a unified data foundation so AI engineers and data scientists can activate, enrich, and use business-relevant information, without the pain of a complete data migration.
- **Centralized management for faster delivery.** Automated fleet management, a clear view of the data estate, and consistent data access mean you spend less time managing infrastructure and ship applications faster.

VAST AI OS on OCI

Modern Data Solution

Running on DenseIO.E5 instances, VAST AI OS brings VAST's Disaggregated Shared Everything (DASE) architecture into OCI, extending a single, consistent data foundation from the data center to Oracle Cloud. VAST on Cloud combines all-flash NVMe performance with file, block, object, event-driven processing, and database services in a single AI OS, providing protocol-independent data access, real-time data recency, a unified AI data pipeline, and centralized fleet management.

VAST DataSpace provides governed access to data across VAST AI OS in the data center, at the edge, and in OCI, making business information available to compute wherever it is needed.

Try VAST AI OS on Oracle Cloud Today

For customers expanding beyond their on-premises infrastructure, VAST provides a way to bring Oracle Cloud services closer to business-relevant data without compromise.

Learn more by visiting the Oracle Marketplace listing

One Data Fabric

AI workloads can run wherever compute capacity is available while maintaining control of data and security policies.

Maximum Utilization

GPUs can access and load models from VAST storage with performance consistent with local NVMe devices.

Consistent Policies

VAST DataSpace and Polaris enforces a single trust zone across environments. Data governance remains consistent everywhere.

About VAST Data

VAST Data is the AI Operating System company – powering the next generation of intelligent systems with a unified software infrastructure stack that was purpose-built to unlock the full potential of AI. The VAST AI OS consolidates foundational data and compute services and agentic execution into one scalable platform, enabling organizations to deploy and facilitate communication between AI agents, reason over real-time data, and automate complex workflows at global scale. Built on VAST's breakthrough DASE architecture – the world's first true parallel distributed system architecture that eliminates tradeoffs between performance, scale, simplicity, and resilience – VAST has transformed its modern infrastructure into a global fabric for reasoning AI. Learn more at vastdata.com and follow VAST Data on LinkedIn, YouTube and X.

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