



## SOLUTION BRIEF

# NetApp + Vultr: Data Portability for Hybrid Environments and AI Workloads

Seamless data portability across multicloud, multi-region, and on-premises environments enables enterprises to easily migrate and manage datasets and AI workloads for demanding applications, ensuring real-time processing, optimized storage costs, and flexibility with reduced cost and no vendor lock-in.

[VULTR.COM](https://vultr.com)

# Flexible data solutions for HPC and AI applications across environments

NetApp has joined the Vultr Cloud Alliance to deliver a scalable, high-performance solution for data-centric businesses needing flexible storage and compute across hybrid and multicloud environments.

**Integrating NetApp ONTAP with Vultr enhances data accessibility, optimizes costs, and supports AI model training, fine-tuning, and inference across various environments and regions. With streamlined data migration and CI/CD pipelines, businesses can scale in real-time across locations – without vendor lock-in – making it ideal for data-intensive workflows.**

As hybrid and multicloud cloud adoption accelerates, organizations are challenged with data management across on-premises, edge, and cloud environments. Gartner estimates that by 2027, 70% of infrastructure and operations leaders will implement hybrid cloud storage solutions, up from 25% in 2023<sup>1</sup>. Through Vultr's agile cloud platform and NetApp's data management capabilities, this solution offers seamless data mobility, operational efficiency, and resilience across diverse environments.

## How the solution works

### Data ingestion and processing

NetApp consolidates and securely manages data across regions, enabling high-volume AI model training on Vultr Cloud GPU or Vultr Bare Metal GPUs. This streamlined data ingestion process ensures that all regions can efficiently handle intensive AI workloads.

### Hybrid AI deployment

Containerized AI models are deployed seamlessly across Vultr's regions or other on-premises and cloud environments via Kubernetes, enabling flexible, multicloud deployment.

### Real-time data insights

Continuous data mobility ensures real-time data availability and analytics, providing organizations with proactive insights into performance to support data-driven decision-making.

## Hybrid data challenges

### Data portability across environments

Transferring and managing data across various environments, geographies, and providers is complex and resource-intensive. NetApp enables seamless data transfers across Vultr's regions, other clouds, and on-premises setups, reducing complexity and enhancing global operational agility.

### Data migration across clouds

Migrating data between different cloud environments is challenging and can lead to downtime and operational disruptions. NetApp streamlines data migration between Vultr and other clouds, enabling seamless transitions and continuous operations in multicloud setups.

### Scalability and cost optimization for AI workloads

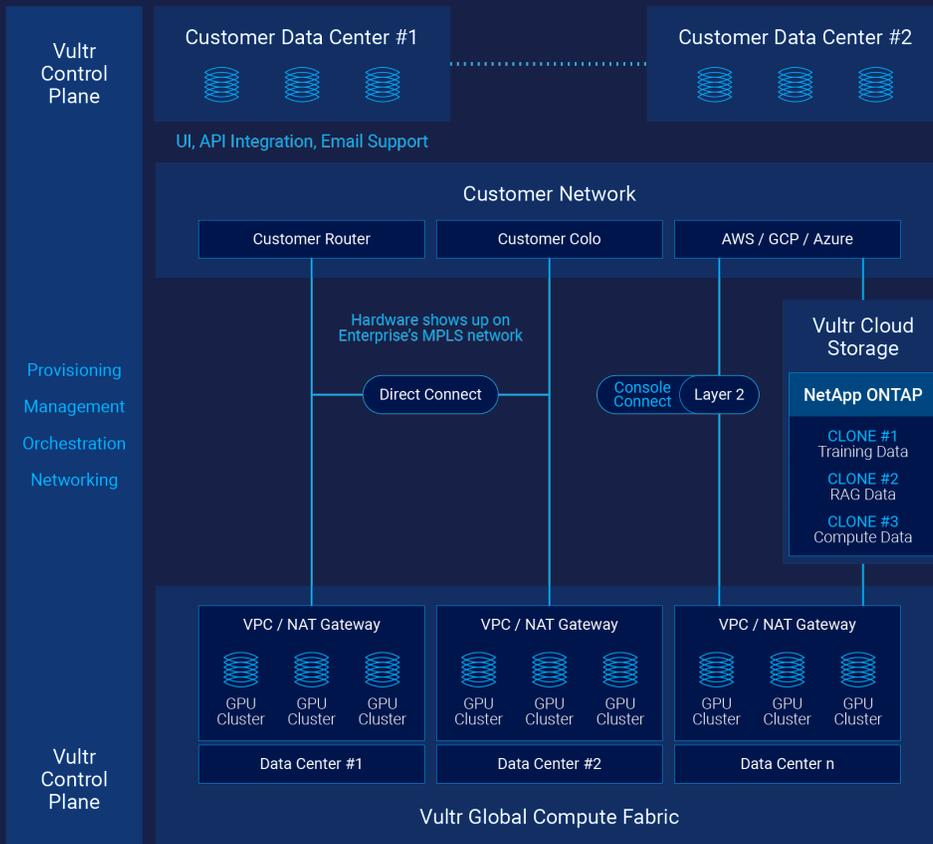
Scaling AI workloads across hybrid environments is challenging, with high costs and data transfer complexities impacting efficiency. Vultr's global reach and predictable pricing, and NetApp's data integration, enable scalable, cost-effective AI operations across hybrid setups.

### AI model lifecycle management

Managing AI model training, fine-tuning, and deploying across on-premises, edge, and multicloud environments poses compatibility, performance, and compliance challenges. Vultr and NetApp simplify this by enabling containerized, consistent AI workflows globally, with robust data governance tools to ensure regional regulatory compliance.

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1. Gartner: [Market Guide for Hybrid Cloud Storage, 2024](#).



## Hybrid cloud strategy

Hybrid cloud offers integration flexibility, enabling data and application portability across public, private, and on-prem environments, including Vultr Cloud Compute, Vultr Cloud GPU, and Vultr Bare Metal GPU. This reduces reliance on a single provider, helping to control costs, enhance workload adaptability, and ensure regulatory compliance, creating a tailored, resilient IT infrastructure.

[Read customer use case](#) →

## Intelligent data infrastructure for the application stack

### Infrastructure consistency across environments

Select interoperable tools and APIs that enable consistent management and data handling across on-premises, edge, and cloud environments. A unified infrastructure reduces latency, simplifies workload portability, and ensures rapid failover. This consistency supports smooth scaling and allows applications to perform seamlessly as they move across diverse platforms.

### Optimize network architecture for low latency

Leverage private connections, such as direct interconnects, secure VPNs or Console Connect, to facilitate high-speed data transfer across hybrid environments. A low-latency network architecture is crucial for real-time applications like AI inference and analytics. Optimized network pathways ensure fast, reliable data movement, enhancing performance and responsiveness across all parts of the hybrid cloud.

### Data governance and access control

Leverage Vultr's security features, including Identity and Access Management (IAM) and Virtual Private Cloud (VPC) and global data centers to centralize governance across hybrid and multicloud environments. This setup streamlines access control, ensures compliance, and secures sensitive AI workloads with real-time policy management, enabling seamless data handling across all platforms.

### Data resilience and cost optimization

NetApp solutions enhance data protection, offering fast disaster recovery and robust cyber resilience. With cloud tiering, organizations can reduce costs by moving inactive data to lower-cost storage, ensuring high data availability and cost-effective management.

## Driving efficiency across industries

### Healthcare & life sciences

Secure patient data storage and facilitate rapid AI research with scalable cloud storage for genomic data, medical imaging, and clinical insights. Vultr and NetApp provide a secure, compliant environment for AI-driven diagnostics and genomics analysis across regions, enabling quick access and processing of massive datasets in accordance with healthcare standards.

### Financial services

Optimize risk management and real-time analytics with a hybrid cloud setup that facilitates fast, secure AI-driven insights for financial modeling, fraud detection, and compliance tasks. Vultr and NetApp provide robust data governance and scalability, adapting seamlessly to evolving regulatory and business requirements.

### Manufacturing and energy

Processing real-time IoT data for predictive maintenance is essential for operational efficiency. With Vultr's infrastructure and NetApp's data portability, manufacturers and energy companies can aggregate data for real-time AI processing, leading to proactive maintenance and reduced downtime.

### Media and entertainment

Empower high-quality content creation and manage extensive data storage needs with efficient data access for rendering, video editing, and real-time collaboration. Vultr and NetApp facilitate scalable storage and streamlined data management, enhancing production quality and audience engagement through AI-driven analytics.

### Retail

Overcome global customer data management challenges and enhance personalization with scalable hybrid cloud capabilities. Vultr and NetApp enable real-time analytics and AI-driven personalization across regions, supporting customer engagement, inventory management, and streamlined supply chain management.

### Telecommunications

Improve network reliability and customer service with AI-driven data management for predictive maintenance and service optimization. NetApp and Vultr offer secure, compliant storage for critical network data.

## Flexible hybrid solutions for AI

Enhance your organization's hybrid infrastructure and AI capabilities with Vultr and NetApp's scalable solution, offering flexible data management, real-time processing, and cost-effective storage across multicloud and on-premises environments.

Learn more about  
NetApp and Vultr

Contact us at [vultr.com](https://vultr.com) to get started. →