



SOLUTION BRIEF

Accelerate Delivery of Industry Specific Applications

Vultr provides composable cloud, high-performance AI, enterprise-grade security, and packaged sector-specific business applications. Our end-to-end modular infrastructure covers everything from initial deployment to ongoing management and optimization, allowing for greater customization, scalability, and agility.

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

A Modern Infrastructure Stack with Industry Cloud Solutions

By leveraging Vultr's global and composable infrastructure, enterprises can ensure their operations are resilient, AI-ready, and tailored to specific industry needs. This foundation is critical for embedding industry-specific best practices.

In an era where technological advancement is paramount, driven by the need for increased speed, productivity, and innovation, enterprises seek cutting-edge solutions to enhance operational efficiency, adaptability, and competitive edge. Vultr offers robust, scalable, and cost-effective cloud solutions designed to meet the unique needs of specific industry sectors, compliance considerations, and data regulatory requirements. Our mission is to support enterprises with secure, high-performance cloud solutions, enabling them to thrive in a rapidly evolving landscape.

Vultr's offering integrates IaaS, PaaS, and SaaS into a composable infrastructure, allowing for dynamic allocation and reconfiguration of resources to meet specific application needs in real-time. Vultr Cloud GPU, accelerated by NVIDIA computing platform, supports high-performance AI and ML applications, ensuring optimal functionality for demanding tasks. This is essential for enterprises to manage distributed AI operations and accelerate adaptation with easy-to-integrate composable building blocks.

The state of the industry cloud

Over 70% of enterprises are expected to adopt industry cloud platforms by 2027, up from just 15% in 2023. Driven by a projected annual growth rate of 17% from 2022 to 2027, the market is set to reach \$260.9 billion by 2027¹. This trajectory highlights the accelerating shift towards specialized cloud solutions across various industries.

Global and composable cloud

Composable cloud offers ultimate flexibility and customizability across the entire cloud stack (IaaS, PaaS, SaaS), allowing customers to choose infrastructure, tools, and code to build, deploy, and optimize applications. Vultr industry cloud enhances this by providing easy-to-integrate composable building blocks, enabling efficient adaptation to industry needs, AI workloads, and regulatory requirements across 32 cloud data center locations worldwide.

Data fabrics, products, and tools

- Vultr's cloud computing, full-stack NVIDIA accelerated computing platform, database management, and cloud storage products provide a robust foundation for development and operations.
- The PaaS layer includes developer tools (SDKs, runtimes, databases, middleware) and application services (load balancing, performance monitoring, security, and management).
- The SaaS layer offers complete applications for developers and operators.
- Efficient AI operations also benefit from seamless GPU and CPU integration, optimizing workloads for cost-effective, high-performance processing.

Modular infrastructure: Replace monolith with containerization

- Vultr Marketplace uses prebuilt Kubernetes containers from which customers can assemble a composable cloud and build cloud applications. The container registry contains both PaaS and SaaS offerings.
- Vultr Cloud GPU, accelerated by NVIDIA, seamlessly integrates with Kubernetes clusters to handle the most resource-intensive workloads globally. This potent combination empowers enterprises to build sophisticated AI and machine learning systems, efficiently managing large-scale computing tasks.

Packable business capabilities: AI/ML, APIs, and more

- The Vultr Cloud Alliance ecosystem includes best-of-breed IaaS, PaaS, and SaaS providers that give Vultr customers the ability to compose enterprise-grade cloud operations without the cost, complexity, and lock-in of hyperscaler providers.
- The IaaS layer offers access to state-of-the-art accelerators like the NVIDIA GH200 Grace Hopper Superchip and NVIDIA H100 Tensor Core GPUs, connected with NVIDIA Quantum-2 InfiniBand networking, to handle complex AI, ML, and HPC challenges.
- Combine NVIDIA AI Enterprise with Vultr's powerful cloud infrastructure to maximize performance, accelerate time-to-market for AI applications, and ensure enterprise-grade security and control.
- With Vultr's API-first approach, customers benefit from streamlined operations and gain the flexibility to build custom projects tailored to their needs.
- Vultr's compliance with industry cloud standards protects your data and ensures adherence to regulations with their security and compliance artifacts.

Vultr industry cloud blocks

Composability layer

Out-of-the-box solutions with enhanced user interfaces, supported by low-code development tools for enterprises across all industries.

Package business capabilities (PBC). Easy to use Vultr APIs.	Vultr add-on layer	Vultr one-click marketplace	Vultr Cloud Alliance partner solutions	NVIDIA AI Enterprise	Partner-led go-to-market & industry experts	Vultr compliances & data protection	
Integrated data fabric via user interface or APIs	Vultr services layer	High-performance cloud compute HPC	Industry focused AI factory and inference	Vultr Kubernetes Engine	Data fabric with Vultr-managed databases	Vultr Cloud Storage	Serverless run time
SaaS + PaaS + IaaS and DC	Vultr hardware layer	32 cloud data center locations worldwide	Vultr Bare Metal	Vultr Cloud GPU, accelerated by NVIDIA	Top-tier CPUs from AMD & Intel	Networking solutions	

Industry cloud use cases

Financial services

Enhancing compliance and operational efficiency through industry cloud solutions is crucial in financial services. Vultr supports this with high-performance computing and the Vultr Kubernetes Engine for low-latency, high-transaction applications while optimizing operational costs. It ensures GDPR compliance, enhances real-time fraud detection and protects sensitive financial data with robust security measures and on-demand sovereign cloud availability.

Healthcare and life sciences

Improving patient experiences and clinical trial efficiency with a cloud-based platform while ensuring compliance is crucial for the healthcare sector. Vultr's HIPAA-compliant cloud ensures secure data handling for healthcare with high-performance compute, scalable storage, and secure networking. Managed databases and AI/ML tools enhance analytics, while Kubernetes and automated backups ensure reliability and efficiency. With an exceptional price-to-performance ratio, Vultr effectively supports critical healthcare operations.

Manufacturing

Modern manufacturers aim to accelerate equipment performance and longevity through data analytics and asset monitoring. Accelerating innovation and business growth, Vultr addresses critical manufacturing needs with tailored cloud solutions using composable infrastructure blocks. By leveraging AI-driven analytics, predictive maintenance, and automation and integrating IoT and edge computing capabilities, Vultr enhances operational efficiency, minimizes downtime, and ensures robust data security.

Media and entertainment

Media and entertainment businesses strive to drive customer engagement, create seamless and personalized experiences, and optimize viewer retention and brand loyalty. Enhanced customer engagement is achieved through cohesive experiences, leading to higher satisfaction and loyalty. Vultr's multicloud integration, scalable storage, and collaboration tools support these goals by enabling efficient workflows and reliable data protection. Leveraging high-performance computing, Vultr ensures uninterrupted content creation, video rendering, gaming, and delivery.

Retail

Advancing the omnichannel retail experience with digital tracking and predictive analytics, Vultr addresses critical needs such as scalable infrastructure, real-time analytics, and IoT integration. Vultr's global low-latency cloud data centers ensure seamless online access with various features and AI solutions to manage peak traffic, optimize customer experiences, and streamline operations. This allows retailers to offer personalized interactions and efficiently handle high-demand periods.

Telecommunications

In the telecommunications sector, businesses streamline customer service with personalized platforms. Vultr enhances these efforts by optimizing network performance, managing large data volumes, and supporting 5G and edge computing for improved connectivity, speed, and new services. This results in faster, more reliable, and personalized customer experiences while maintaining compliance and data protection. Additionally, our strategic partnerships provide robust private networking, further streamlining operations and improving overall efficiency.