



DATASHEET

Vultr Kubernetes Engine

Deploy and scale containerized apps with a fully managed service.

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

Vultr Kubernetes Engine

An easier way to operate and scale containerized applications

Since its initial development in 2014, Kubernetes has become the standard for automating the deployment, scaling, and management of containerized applications. With Kubernetes on the Vultr cloud platform, businesses can realize a seamless and efficient container orchestration experience worldwide.

Why it's important right now

As businesses evolve and adopt cloud-native strategies and architectures, a flexible, scalable, and efficient container management system becomes paramount. Kubernetes ensures a harmonious environment for developers to deploy, manage, and scale applications in line with dynamic business requirements.

A deep dive into our Kubernetes Engine

Vultr Kubernetes Engine

A fully managed service, Vultr Kubernetes Engine (VKE) mitigates Kubernetes' inherent complexities, ensuring operational confidence and scalability. With features like container orchestration, no management fee for the control plane, and resilient infrastructure that maximizes resource allocation, VKE is the definitive solution for modern deployment needs.

Cluster API-compatible

While the Vultr control plane is simple and quick to learn, the Cluster API enables deploying standardized clusters with the same YAML configuration files used for deploying on other infrastructure platforms without using the control plane. Additional benefits include simplified hybrid cloud and multicloud deployments and fewer manual configuration tasks, which reduces risk and headaches.

Vultr Container Storage Interface

Connecting your Kubernetes cluster to Vultr's high-speed Block Storage and Vultr File System Storage solutions ensures your applications have fast, reliable, and scalable storage. No matter what you're handling, the CSI ensures your data is there when needed. Vultr File System supports RWX persistent volumes and shared and exclusive write locks for container environments.

Vultr Cloud Controller Manager

By actively monitoring node states and automating IP address assignments, alongside deploying Load Balancers in response to Kubernetes service demands, VKE users can experience seamless integration and reduced operational overhead. This ensures a direct alignment of Kubernetes operations with the inherent advantages of Vultr's infrastructure.

Vultr Container Registry

Vultr Container Registry provides cloud practitioners with Kubernetes storage repositories to design, store, and rapidly deploy global cloud-native, AI, and machine learning workloads. Securely and privately store container images, or harness public open source models, all powered by Vultr's powerful composable GPU and compute infrastructure with predictable and transparent pricing.

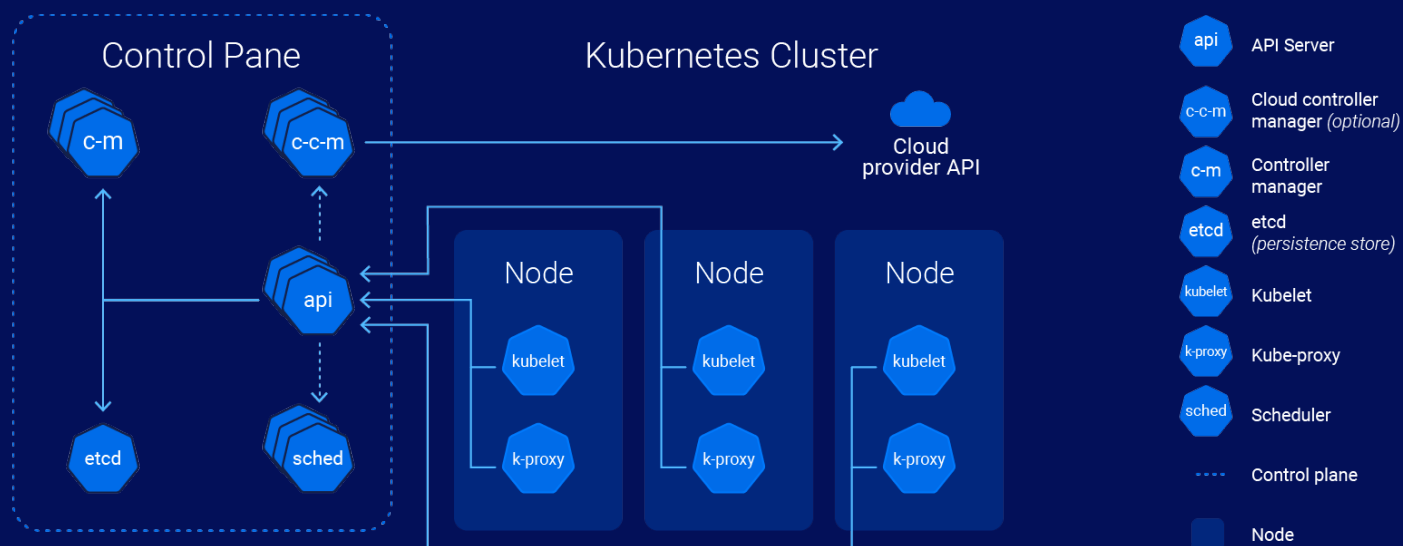
Enhanced integrations

From automated deployments and domain name synchronization to dynamic cluster scaling and automated TLS management, our suite of integrations is tailored to elevate efficiency and ensure robust security.



Vultr Kubernetes Engine (VKE) is certified by the Cloud Native Computing Foundation (CNCF) Certified Kubernetes Conformance Program. You can quickly move your workloads to Vultr because VKE conforms to portability standards.

Powerful add-ons



Key benefits

Hassle-free management

With VKE, the complexity of container orchestration is simplified, enabling you to focus on scaling and deploying applications with unparalleled confidence.

Unmatched value

VKE has no hidden charges or unexpected management fees. With transparent pricing for worker nodes, Load Balancers, and Block and File System Storage, VKE offers a predictably economical Kubernetes solution, ensuring your investments are directly tied to tangible resources and functionalities.

Resilient infrastructure

VKE offers service with automated health checks and failover mechanisms. As workloads evolve, VKE seamlessly scales, ensuring optimal resource allocation, efficient performance, and consistent user experiences.

CNCF-certified reliability

Elevate your operations and peace of mind with the CNCF seal of assurance. Software conformance ensures that VKE supports required APIs. Using VKE, you can expect true interoperability from one installation to the next, guaranteeing smooth workload migrations to Vultr and aligning your operations with global best practices.

Enhanced with value-driven tools

Benefit from integrated tools like the Vultr Cloud Controller Manager for seamless feature integrations and the Vultr Container Storage Interface, ensuring persistent, high-speed storage. These tools converge to offer a holistic Kubernetes experience.

Versatile storage

With VKE, storage isn't just about capacity; it's about choice and performance. Whether your applications demand HDD storage spanning from 40 GB to 40 TB or seek the blistering speeds of NVMe storage ranging from 1 GB to 10 TB, VKE delivers.

GPU acceleration

Enhance your clusters with [Vultr Cloud GPU](#) and Kubernetes accelerated by AMD and NVIDIA GPUs. Power machine learning, AI, and other GPU-intensive workloads directly within your Kubernetes environment.

The future of container orchestration

VKE ushers in a better way to optimize container orchestration. Businesses can now effortlessly manage their applications, ensuring they are ready for today's and tomorrow's challenges.

Learn more about
Vultr Kubernetes Engine

Contact us at vultr.com to get started.

