plusserver

Managed Kubernetes

Quickly and easily orchestrate Kubernetes clusters in self-service



Your challenges

Speed is key in digital business. Container technology is the optimal basis for the fusion of software development and operations (DevOps) and thus also for agility. Therefore companies across all industries can no longer ignore container technology if they want to remain competitive. Kubernetes is the de facto standard for container orchestration. However, specialists are scarce and Kubernetes management is becoming increasingly complex in line with the multi-cloud trend.

Our solution

With the plusserver Kubernetes Engine (PSKE), you can orchestrate your containers effortlessly, and integrated day 1 and day 2 operations take the pressure off your IT staff. The PSKE is completely open source and free of third-party rights. This enables GDPR-compliant and CLOUD Act-neutral data processing in the pluscloud open. Choose flexibly from four regions in Germany.

30 days free trial

+ Use all features of PSKE without restrictions
+ Hibernation & autoscaling
+ Integrated day 2 operations
+ Security by design

Free trial

Billing according to consumption (monthly):

PSKE: 0.09 €/cluster hour

CPU: 0.0205 € per vCPU/hour

RAM: 0.007 € per GB/hour

Storage: 0.09 € per GB/month

Traffic: free of charge (fair use policy)

Learn more

See product documentation

Managed Kubernetes Features

Self-service	For example: cluster provisioning, node up/downscaling, user management, Kubernetes upgrades, OS lifecycle, autoscaling, hibernation.
Control plane	The control plane of the PSKE is fully managed by plusserver and is redundant for high availability.
Autoscaling	Automatically scale nodes as compute resources become insufficient.
Hibernation	In addition to autoscaling, a time-controlled shutdown of clusters can be set up.
Security by design	Take advantage of services such as regular patching of Kubernetes and the operating system, and encryption of your persistent data (encryption at rest).
Monitoring and logging	Prometheus monitoring and control plane logging are available.
Open source	PSKE, based on SAP Gardener, is fully open source. Leverage CNCF-compliant Kubernetes clusters that are tightly integrated with upstream Kubernetes.
Self-healing	For example, auto-replace of control plane and worker nodes by default.
GUI and API	Orchestrate Kubernetes across multiple clouds through an easy-to-use web interface or API via infrastructure as code.
Multi-region	When creating a cluster, decide for yourself in which region your cluster should be deployed.
ReadWriteMany (RWX)	The PSKE supports RWX volumes, which can be used by multiple pods as persistent volumes (separate NFS product required).

Add-ons

Private Registry

With our Private Registry you benefifit from an easy and cost-effective way to store, manage and deploy your container images and Helm charts. Take the burde off your IT team with our managed service and start working with the PSKE even more easily.

Learn more

mogenius Kubernetes Manager

A seamless self-service experience for developers to independently deploy, monitor, and debug services. Infrastructure and access are easily provided via an intuitive interface.

Learn more

Workload Protection for better security

Protect your containers and applications, build security into development, and discover configuration errors.

Learn more

plusserver
Sovereign Cloud. Made & managed in Germany.

plusserver is the cloud provider with the digitalization platform „Made in Germany." We support medium-sized enterprises and large corporations step by step through their IT modernization. In addition to our cloud product portfolio based on our own certified German data centers, 24/7 support in German or English, and comprehensive managed services, we are defined by our commitment to data sovereignty and interoperability. plusserver was the first company to productively implement an open-source cloud with „pluscloud open," which is based entirely on the Sovereign Cloud Stack and thus meets the highest data protection standards.

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