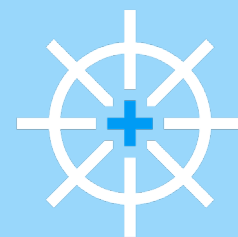


# Managed Kubernetes

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

[> Try it now](#)

[> Order Managed Kubernetes](#)

### 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

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

## Our recommendation: Use PSKE with the plusserver Private Registry

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

[> Learn more](#)

## Workload Protection for better security

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

[> Learn more](#)

### plusserver

A sovereign, future-proof and secure cloud.

We offer German companies a sovereign and vendor-independent foundation for their digital business processes. On our secure, scalable cloud platforms, customers can implement future-proof and cost-effective digital applications. We advise our customers on cloud architectures and the integration of existing IT environments. Our approach is fast, dynamic and always personal.

### Do you have any questions?

**Feel free to contact us.**

**We are here to help - quickly and easily.**

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CLOUD SECURITY

