

Elastic Scalability: Effortlessly Manage High Traffic Demands

Power your cloud-native databases with Kubernetes' scalable efficiency

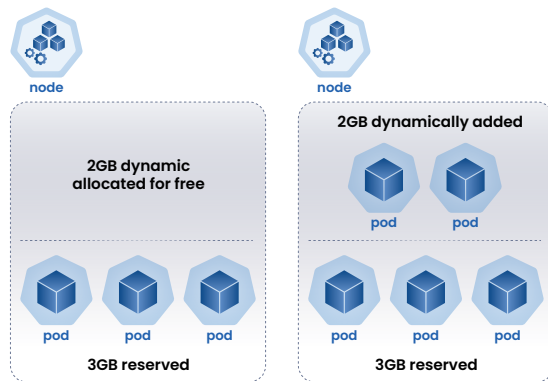
Tired of costly downtime and scaling headaches? Percona's cloud-native solutions enable businesses to seamlessly adapt to unpredictable traffic demands, optimizing Kubernetes-based database performance and reducing costs—all without the limitations of traditional scaling methods.

Meet unpredictable workloads head-on

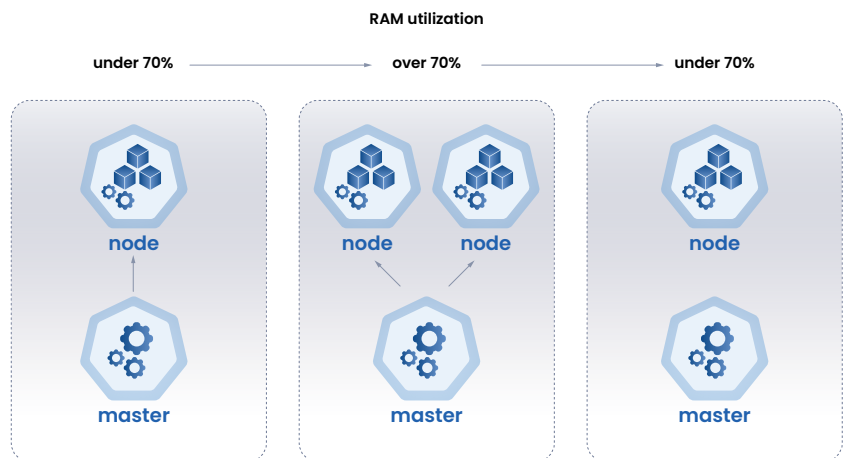
Percona's cloud-native solutions for databases on Kubernetes simplify scaling with automated deployment, resource management, and resilience:

- Adapt seamlessly to traffic demands.
- Optimize performance and reduce costs.
- Achieve both horizontal and vertical scalability without complexity.

Vertical Scaling



Horizontal Scaling



Key Benefits

- **Elastic scalability:** Handle high traffic seamlessly with horizontally scalable, Kubernetes-based databases and automated resource adjustments
- **Optimized performance:** Prevent over-provisioning and underutilization by optimizing resource usage, ensuring peak efficiency during traffic spikes.
- **Pay only for what you use:** With Percona, zero traffic means zero costs, ensuring cost efficiency during low-demand periods.
- **Simplified operations:** Automate deployment, scaling, and configuration tuning for Kubernetes-managed databases, reducing manual effort.
- **Flexibility without lock-in:** Fully open source solutions with no vendor restrictions.

Solutions overview

Software



**PERCONA
Everest**

An open source centralized platform for managing databases across Kubernetes environments, designed for simplicity and scalability.

- **Multi-database support:** Manage MySQL, PostgreSQL, and MongoDB efficiently.
- **Horizontal & vertical scaling:** Seamlessly handle traffic demands.
- **BYOC (Bring Your Own Cloud):** Deploy in the environment of your choice.
- **Adaptive resource allocation:** Optimize performance by adjusting resources dynamically.
- **Role-based access control:** Enable secure scaling across teams.
- **Multi-cloud and multi-cluster compatibility:** Operate seamlessly across EKS, GKE, AKS, and on-prem environments.
- **User-friendly interface and REST API:** Simplify provisioning and database management.



PERCONA
Kubernetes
Operators

Automate the lifecycle of Kubernetes-managed databases for reliable and scalable operations.

- **End-to-end automation:** Handle deployment, scaling, backups, and updates effortlessly.
- **Dynamic scaling:** Automatically adjust resources to match workload demands.
- **Dedicated database operators:** Purpose-built operators for MySQL, PostgreSQL, and MongoDB ensure smooth and optimized operations tailored to each database type.

Services



PERCONA

Percona Services

- **24x7 support:** Resolve issues quickly and proactively.
- **Tailored consulting:** Custom solutions for architecture design, scalability, and performance optimization.
- **Expert guidance and implementation:** Optimize resources, balance sharding and replication, enable auto-scaling, and resolve misconfigurations to ensure seamless database operations.

Outcomes and impact

- **Adaptable scalability:** Seamlessly manage unpredictable traffic spikes without compromising performance.
- **Optimized resource use:** Automate scaling to avoid over- or under-provisioning.
- **Enterprise reliability:** Achieve consistent high performance and availability during peak demand periods.

Why choose Percona?

- **Proven reliability:** Trusted by businesses worldwide for enterprise-grade Kubernetes database management.
- **Cost-effective:** Reduce costs with transparent, predictable pricing.
- **Open source flexibility:** Avoid vendor lock-in while maintaining complete control.

Get started with Percona

Discover how Percona's cloud-native solutions for databases on Kubernetes can help you manage high-traffic workloads efficiently.

[Contact Us](#)