



Percona Operator for MongoDB

DEPLOY, MANAGE, AND SCALE COMPLEX MONGODB TOPOLOGIES ON KUBERNETES.

Percona Operator for MongoDB is a Kubernetes-native controller that automates the deployment and lifecycle management of MongoDB clusters, handling provisioning, scaling, upgrades, backups, and high availability.

"Opting for Percona Software for MongoDB and Percona Operator for MongoDB has proven to be successful. We developed a meaningful and reliable partnership with the exceptional team at Percona. They are always available to address any issues that might arise, and we have achieved tremendous cost-effectiveness."

- Product Director at Minsait



Percona
Operators

Learn more at percona.com

▶ With Percona Operator for MongoDB you can:

- Meet your scaling demands with sharding support.
- Expand MongoDB clusters with arbiter or non-voting replica set nodes in a fully automated way.
- Secure connections using TLS/SSL by default
- Perform zero downtime automated software upgrades

[View documentation](#)

▶ Supported features of Percona Operator for MongoDB

Deploy easily

Create a MongoDB environment with no single point of failure that spans multiple availability zones.

Scale your replica set

Change the replica set size by updating the size key in the Custom Resource configuration.

Add monitoring

Percona Monitoring and Management (PMM) can be easily deployed to monitor your replica set. The recommended installation process uses helm, the package manager for Kubernetes.

Manage your backups

Automate backups using the deploy/cr.yaml file or perform an on-demand backup at any time. Both backup methods use Percona Backup for MongoDB and support simple restores.

Automate node recovery

Use the self-healing capability to automatically recover from failure of a single PMongoDB node.

Percona Operators are 100% open source, free from vendor lock-in, usage restrictions, and expensive contracts, and include enterprise-ready features by default: backup/restore, high availability, replication, sharding, logging, and more.