PERCONA

Percona for MongoDB

RUN MONGODB YOUR WAY

Percona for MongoDB delivers enterprise-grade MongoDB with backup, migration, automation, observability, and enterprise security controls, backed by 24x7 expert support.

"Percona provided a strong alternative to the highly expensive license option BBVA had used previously. While we believe and rely on MongoDB as a technology, we decided to choose Percona as we could get more control over our database strategy. We reduced our cost, got better control over our future strategy, and improved results."

- **David Jimenez Ausin,** Batch Architecture & Databases and Product Owner NoSQL & SQL, BBVA

Percona for **MongoDB**

Learn more at **percona.com/mongodb**

Cost optimization and migration control

MongoDB costs escalate through subscription expansion, tooling lock-in, and risky migrations.

- **Percona Server for MongoDB** replaces Atlas or Enterprise with a self-managed, community-compatible platform — no application changes required.
- **Percona ClusterSync for MongoDB** plus Consulting-led planning enables near-zero-downtime migration, hybrid deployments, and filtered sync workflows.
- **Percona Backup for MongoDB, ClusterSync, and Percona Operator for MongoDB** keep day-2 operations auditable and portable as Percona-developed open source components.

Performance and reliability

Document workloads stay reliable when backup, recovery, failover, and visibility are engineered into the stack.

- **Percona Backup for MongoDB** automates backup, restore, and point-in-time recovery, with file copy-based initial sync to shorten recovery windows.
- **Percona Operator for MongoDB** automates replica set deployment, scaling, failover, and recovery in Kubernetes environments.
- **Percona Montoring and Management** plus ExpertOps coverage improves capacity planning, validates backup and failover behavior, reduces toil, and stabilizes day-2 performance.

Security, sovereignty and compliance

Regulated deployments need stronger controls than community defaults provide.

- **Percona Server for MongoDB** supports transparent data-at-rest encryption with external key management via KMIP-compatible providers, HashiCorp Vault, or OpenBao.
- **Centralized identity integrations** include LDAP, Active Directory, Kerberos, OpenID Connect, and AWS IAM for standardized access policy.
- **FIPS 140-2 mode**, auditing, and log redaction support compliance programs, reinforced by Expert Support troubleshooting and Consulting-led hardening reviews.

Kubernetes and future workloads

MongoDB teams need an operating model that scales across Kubernetes, multi-cloud, and emerging AI workloads.

- **Percona Operator for MongoDB and Percona Monitoring and Managment** provide a consistent operations layer across on-prem, cloud, and Kubernetes, with ExpertOps covering the day-2 discipline most teams lack internally.
- Service-mesh-ready, GitOps-friendly, policy-driven automation reduces manual work across scaling, backup, restore, and upgrade events.

Percona's MongoDB architecture combines database compatibility, backup, migration, automation, observability, and the service layers teams use to operate a self-managed stack with less risk.

Backup and recovery

- **Percona Backup for MongoDB:** Cluster backup, restore, and point-in-time recovery for operational resilience.
- **Selective backup scope, multi-storage targeting,** and modern cloud authentication reduce manual backup overhead in complex environments.
- **ExpertOps** reinforces this with backup validation, recovery drills, and ongoing operational checks so recovery plans stay usable under pressure.

Migration and data movement

- **Percona ClusterSync for MongoDB:** Near-zero-downtime migration and controlled cutover workflows between MongoDB clusters.
- **Hybrid deployment support** and **filtered sync** reduce sequencing risk during platform transitions and consolidation projects.
- **Consulting** helps teams design the migration path and cutover plan, while Support assists when sync behavior or compatibility issues need escalation.

Security and access control

- **Percona Server for MongoDB:** Transparent data-at-rest encryption, FIPS mode, auditing, and log redaction for regulated workloads.
- LDAP, Active Directory, Kerberos, OpenID Connect, AWS IAM, and external KMS integrations support **centralized security policy.**
- **Consulting** and **Support** help teams turn these controls into workable hardening, compliance, and troubleshooting practices across environments.

Kubernetes and automation

- **Percona Operator for MongoDB:** Automated deployment, scaling, backup, recovery, and day-2 lifecycle operations in Kubernetes.
- Service mesh compatibility, automatic PVC resizing, Vault integration, and GitOps-friendly packaging reduce operational toil.
- **ExpertOps** helps teams run this stack day to day, especially where internal coverage is thin for Kubernetes database operations.

Observability and future workloads

- **Percona Monitoring and Management (PMM):** Cross-cluster visibility into query behavior, system health, and operational performance.
- **Support** and **Consulting** help teams interpret emerging operational patterns here, especially when new search and AI workflows are not yet routine.

Support and Services

Expert Support

Expert Support is reactive, 24×7 support for troubleshooting, incidents, and performance issues across PostgreSQL, **MySQL, MongoDB, and Valkey/Redis.**

- Fast issue resolution that minimizes downtime impact
- Deep performance tuning that prevents unnecessary scaling
- Post-incident guidance that reduces repeat failures and cost drift

ExpertOps

ExpertOps Proactive Database Management is hands-on, ongoing database operations for teams that want expert-level daily management without hiring expert DBAs.

- Continuous tuning & rightsizing reduce cloud waste
- Replica, storage, & configuration cleanup prevent environment sprawl
- Operational coverage for staffing gaps

Expert Consulting & Services

Expert Consulting and Services offer project-based expertise for architecture, migrations, EOL upgrades, hardening, and modernization efforts.

- Architecture reviews that identify unnecessary replicas and HA overhead
- Migrations and EOL upgrades that avoid costly rework
- Health checks to uncover I/O waste, sizing issues, and configuration drift

PERCONA®

MySQL and MariaDB, PostgreSQL, MongoDB, Valkey, and Redis. Operated with experts across on-prem, cloud, Kubernetes, and hybrid environments. No lock-in.