

Percona offers software and services for MongoDB that provide greater flexibility and empower customers to make strategic decisions about their infrastructures.

Percona software for MongoDB offers all the features and benefits of MongoDB Community Edition, plus additional enterprise-grade functionality. Percona software for MongoDB is also **source-available and can be used in production without licensing agreements and vendor lock-in**.

The below chart compares Percona software and services for MongoDB, MongoDB Community Edition, MongoDB Enterprise, and MongoDB Atlas.

Server Features	Percona Software for MongoDB	MongoDB Community Edition	MongoDB Enterprise Advanced	MongoDB Atlas
Fully compatible with MongoDB Community Server	✓	✓	✓	✓
Document data store	✓	✓	✓	✓
Default storage engine	WiredTiger	WiredTiger	WiredTiger	WiredTiger
In-memory storage engine	✓	✗	✓	Above M40 sized systems Atlas memory caching providing in-memory capable performance
Supported deployment types	On-prem Cloud Hybrid	On-prem Cloud Hybrid	On-prem Cloud Hybrid	- Cloud -
Multiple Availability Zones Multiple regions	✓	✓	✓	✓
Multiple Cloud Availability	✓	✓	✓	✓
Redundancy via replica sets	✓	✓	✓	✓
Built-in replication, up to 50 replica set members	✓	✓	✓	✓
Automatic failover	✓	✓	✓	✓
Sharding	✓	✓	✓	✓
Monitoring, Management and Alerting	Percona Monitoring and Management	Third-party Tools Required	Ops Manager, Cloud Manager	MongoDB Atlas
Open source monitoring	✓	✗	✗	✗
Deployment	✓	✗	✓	✓
Configuration	✗	✗	✓	✓
Automated patches and upgrades	✗	✗	✓	✓
Alerting	✓	✗	✓	✓
No Alert notification methods	Email Webhooks Messenger integration - External tool integration	- - - -	Email HTTPs endpoints Messenger integration SNMP External integrations	Email HTTPs endpoints Messenger integration SNMP External integrations
Index and schema Recommendations	✗	✗	✓	✓
Performance Advisor	✗	✗	✓	✓
Query Analyzer	✓	✗	✓	✓
Backup	Percona Backup for MongoDB	MongoDB Community Edition With mongodump	MongoDB Enterprise	MongoDB Atlas
Open source backup	✓	✗	✗	✗
Binary database export (logical backup)	✓	✓	✓	✓
Built-in point-in-time recovery support	✓	✗	✓	✓
Physical backup	✓	✗	✓	✓
Incremental backup (physical)	✓	✗	✓	✓
Backup management interfaces	Percona Backup for MongoDB (CLI) PMM mongodump / mongorestore (CLI)	- - mongodump / mongorestore (CLI)	Ops Manager Cloud Manager mongodump / mongorestore (CLI)	Atlas backups mongodump / mongorestore (CLI)
Sharded cluster restores supported	✓	✗	✓	✓
Advanced Features	Percona Distribution for MongoDB	MongoDB Community Server	MongoDB Enterprise Server	MongoDB Atlas
Multiple programming language support	✓	✓	✓	✓
BI connector	✗	✗	✓	✓
Live resharding	✓	✓	✓	✓
Time series collections	✓	✓	✓	✓
Integrated Advanced Search	✗	✗	✗	✓
Advanced operators, functions, and aggregation pipeline	✓	✓	✓	✓
Security	Percona Distribution for MongoDB	MongoDB Community Server	MongoDB Enterprise Server	MongoDB Atlas
Queryable Encryption	- Explicit encryption	- Explicit encryption	Automatic encryption Explicit encryption	Automatic encryption Explicit encryption
Data-at-rest encryption	✓	✗	✓	✓
Key management compatibility	Hashicorp Vault KMIP Locally managed key files	- - -	- KMIP Locally managed key files	AWS KMS Google Cloud KMS Azure Key Vault Locally managed key files
Data-in-transit encryption	SSL/TLS	SSL/TLS	SSL/TLS	SSL/TLS
Client-side field level encryption	- Explicit encryption	- Explicit encryption	Automatic encryption Explicit encryption	Automatic encryption Explicit encryption
Authentication/Authorization	SCRAM x.509 LDAP Kerberos -	SCRAM x.509 - - -	SCRAM x.509 LDAP Kerberos Fine-grained auditing	SCRAM x.509 LDAP - Fine-grained auditing / Field-level redaction
Auditing	✓	✗	✓	✓
Log redaction	✓	✗	✓	✓
Role-based access control	✓	✓	✓	✓
Kubernetes Operator	Percona Operator for MongoDB	MongoDB Community Kubernetes Operator	MongoDB Enterprise Kubernetes Operator	Atlas Kubernetes Operator
Multi-cloud	✓	✗	✓	✓
Monitoring	PMM	✗	OpsManager Cloud Manager	Atlas
Backup and restores	Scheduled backups On-demand backups Point-in-time recovery	- - -	Scheduled backups On-demand backups Point-in-time recovery	Scheduled backups On-demand backups Point-in-time recovery
Topologies	Hidden node Arbiter node Replica set Sharded cluster	- - Replica set -	Hidden node Arbiter node Replica set Sharded cluster	Hidden node Arbiter node Replica set Sharded cluster
DBaaS	Percona Managed Private DBaaS	No	No	MongoDB Atlas
On-premises / Hybrid	✓	✗	✓	✗
Cloud availability	AWS - -	- - -	AWS GCP Azure	AWS GCP Azure
Subscription	Percona Platform	MongoDB Community Edition	MongoDB Enterprise Advanced	MongoDB Atlas
Free tier	✓	✓	✗	✓ (limited scale and scope)
Multi-database support	✓	✗	✗	✗
Managed services	✓	✗	✗	✓
Tech-agnostic consulting	✓	✗	✗	✗

Check out our [Download Page](#) to start using Percona software for MySQL, or get in touch with Percona Experts for additional assistance at **+1-888-316-9775 (USA)**, **+44 203 608 6727 (Europe)**, or via email at sales@percona.com.