Percona for MongoDB: Feature Value Comparison

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.**

hese charts compare Percona software and services for MongoDB to MongoDB Community, Enterprise Advanced, and Atlas.

| Server Features | Backup Features | Advanced Features | Security Features | Monitoring, management, and alerting | Kubernetes Operator | DBaas | Support and Services |

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Check out our **Percona for MongoDB** page to learn more about our software and services, 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

FEATURE VALUE COMPARISON

Server Features	Backup Features	Advanced Features	Security Features	Monitoring, management, and alerting	Kubernetes Operator	DBaas	Support and Services	PERCONA

	Percona Server 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-premisses Cloud Hybrid	On-premisses Cloud Hybrid	On-premisses 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	✓	✓	✓	✓

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FEATURE VALUE COMPARISON

	Percona Backup for MongoDB	MongoDB Community Edition	MongoDB Enterprise Advanced	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) Percona Monitoring and Management mongodump / mongorestore (CLI)	mongodump / mongorestore (CLI)	Ops Manager Cloud Manager mongodump / mongorestore (CLI)	Atlas backups mongodump / mongorestore (CLI)
Sharded collections restores supported	✔	❗	✔	✔
Cluster-to-cluster sync	❗	❗	✔	✔

| | Server Features | Backup Features | Advanced Features | Security Features | Monitoring, management, and alerting | Kubernetes Operator | DBaas | Support and Services | PERCONA |

	Percona Distribution for MongoDB	MongoDB Community Edition	MongoDB Enterprise Advanced	MongoDB Atlas
Multiple programming language support	✅	✅	✅	✅
BI Connector	❗	❗	✅	✅
Live resharding	✅	✅	✅	✅
Time series collections	✅	✅	✅	✅
Integrated advanced search	❗	❗	❗	✅
Advanced operators, functions, and aggregation pipeline	✅	✅	✅	✅

| | Server Features | Backup Features | Advanced Features | Security Features | Monitoring, management, and alerting | Kubernetes Operator | DBaas | Support and Services | PERCONA |

	Percona Distribution for MongoDB	MongoDB Community Edition	MongoDB Enterprise Advanced	MongoDB Atlas
Queryable encryption	Explicit encryption	Explicit encryption	Automatic encription Explicit encryption	Automatic encription 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 Kerberos Fine-grained auditing Field-level redaction
Auditing	✅	❗	✅	✅
Log redaction	✅	❗	✅	✅
Role-based access control	✅	✅	✅	✅
FIPS-140 module	✅	❗	✅	✅

Server Features	Backup Features	Advanced Features	Security Features	**Monitoring, management, and alerting**	Kubernetes Operator	DBaas	Support and Services

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	Percona Monitoring and Management (PMM)	MongoDB Community Edition	MongoDB Enterprise Advanced	MongoDB Atlas
Open source monitoring	✅	❗	❗	❗
Configuration	❗	❗	✅	✅
Automated patches and upgrades	❗	❗	✅	✅
Alerting	✅	❗	✅	✅
Alternative alerting 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	✅	❗	✅	✅

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	Percona Operator for MongoDB	MongoDB Community Edition	MongoDB Enterprise Advanced	MongoDB Atlas
Multi-cloud	✅	❗	✅	✅
Monitoring	Percona Monitoring and Management	❗	Ops Manager Cloud Manager	Atlas
Backup and Restores	Scheduled backups On-demand backups Point-in-time recovery Physical backups Incremental backups through oplog / PITR	❗	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

FEATURE VALUE COMPARISON

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	Percona Everest	MongoDB Community Edition	MongoDB Enterprise Advanced	MongoDB Atlas
On-premises/hybrid	✔	❗	✔	❗
Cloud	AWS	❗	AWS GCP Azure	AWS GCP Azure

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FEATURE VALUE COMPARISON

	Percona Server for MongoDB	MongoDB Community Edition	MongoDB Enterprise Advanced	MongoDB Atlas
Multi-database support	✅	❗	❗	❗
Managed services	✅	❗	❗	✅
Tech-agnostic consulting	✅	❗	❗	✅