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 | Monitoring, management, and alerting | Backup and restore | Enterprise Features | Security | 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

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	Server Features	Monitoring, Management, and Alerting	Backup and restore	Enterprise Features	Security	Support and Services

	Percona Server for MongoDB	MongoDB Community	MongoDB Enterprise Advanced	MongoDB Atlas
Binary-compatible with MongoDB Community Server	✓	✓	✓	✓
Licensing	Source-available (SSPL)	Source-available (SSPL)	Commercial	Pay-as-you-go
Available for customization and building from sources	✓	❗	❗	❗
Profiling rate limiting	✓	❗	Yes, via `slowOpSampleRate`	Yes, via `slowOpSampleRate`
Query and text search capabilities	Core MQL support, Aggregation framework, Basic text search ($text), Data processing, Additional search algorithm - ngram	Core MQL support, Aggregation framework, Basic text search ($text), Keyword/full-text search, Vector search, Hybrid search, Data processing	Core MQL support, Aggregation framework, Basic text search ($text), Keyword/full-text search, Vector search, Hybrid search, Data processing	Core MQL support, Aggregation framework, Basic text search ($text), Keyword/full-text search, Vector search, Hybrid search, Data processing, Highlighting, Autocomplete
Supported deployment models	Self-managed on cloud/on-premises	Self-managed on cloud/on-premises	Self-managed on cloud/on-premises	SaaS
Fully compatible with MongoDB driver protocol	✓	✓	✓	✓
Support for latest MongoDB version	✓	✓	✓	✓
Sharding support	✓	✓	✓	✓
Replica sets support	✓	✓	✓	✓
Multi-cloud clusters	Yes. Manual deployment and configuration	Yes. Manual deployment and configuration	Yes. Installation and configuration automated by Ops Manager / Cloud Manager	Automated
Global clusters	Yes. Manual deployment and configuration	Yes. Manual deployment and configuration	Yes. Additional configuration is needed on top of automated provisioning by Ops Manager / Cloud Manager	Automated
Timeseries data support	✓	✓	✓	✓
Storage engines	WiredTiger, Percona Memory Engine	WiredTiger	WiredTiger, In-Memory	WiredTiger

	Percona Monitoring and Management	MongoDB Community (e.g., mongostat, mongotop)	Ops Manager, Cloud Manager	MongoDB Atlas
Licensing	Open source (Apache 2.0)	Open source (Apache 2.0)	Commercial	Fully managed service
Backup management	✓	✗	✓	✓
Automatic deployment and management of MongoDB instances	✗	✗	✓	✓
Preset dashboards	✓	✗	✓	✓
Alerting	Yes (19 events)	✗	Yes (over 100 pre-configured alerts)	✓
Alert notification methods	• Alertmanager • Amazon SNS • Cisco Webex Teams • DingDing • Discord • Email • Google Chat • Grafana IRM • Jira • Kafka REST Proxy • Line • Microsoft Teams • MQTT • Opsgenie • PagerDuty • Pushover • Sensu Go • Slack • Telegram • Threema Gateway • VictorOps • Webhook • WeCom	✗	• Ops Manager Organization • Ops Manager user • Email • SMS • HipChat • Slack • PagerDuty • Datadog • VictorOps • Opsgenie	• Atlas Project • Atlas Organization • Atlas User • Email • SMS • PagerDuty • Datadog • VictorOps • Opsgenie • Microsoft Teams • Webhook
Index and schema recommendations	Performance Advisor	✗	✓	✓
Performance Advisor	✗	✗	✗	✓
Query analytics	Yes. Capturing, analysis, and visualization.	No. Manual only via 'explain()' command and 'system.profile' collection.	Yes. Capturing, analysis, and visualization incl. real-time and historical data.	Yes. Capturing, analysis, and visualization incl. real-time and historical data.

	Server Features	Monitoring, Management, and Alerting	Backup and restore	Enterprise Features	Security	Support and Services

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	Percona Backup for MongoDB	MongoDB Community (mongodump, mongorestore)	Ops Manager, Cloud Manager	MongoDB Atlas
Licensing	Open source (Apache 2.0)	Open source (Apache 2.0)	Commercial	Pay-as-you-go
Binary database export (logical backup)	✅	✅	❗	❗
Selective backup and restore	Logical backup and restore only	Logical backup and restore only	Full backup with selective restore capabilities	Full backup with selective restore capabilities
Built-in point-in-time recovery	Logical and physical backup and restore	❗	✅	Yes (M10+ clusters only)
Physical backup	✅	❗	✅	✅
Incremental backup	✅	❗	✅	✅
Volume snapshot-based restore	✅	❗	✅	✅
Backup management interfaces	Command-Line Interface (CLI), optionally GUI in PMM	Command-Line Interface (CLI)	Web UI, REST API	Web UI, REST API
Sharded clusters backup and restore	Yes, automated	Yes, but requires complex operations	Yes, automated	Yes, automated
Queryable backup	❗	❗	✅	✅

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FEATURE VALUE COMPARISON

	Percona Software for MongoDB	MongoDB Community Edition	MongoDB Enterprise Advanced	MongoDB Atlas
File copy-based initial sync	✔	❗	✔	✔
BI connector	❗	❗	✔	✔
Live resharding	✔	✔	✔	✔
SCRAM (Salted Challenge Response Authentication Mechanism)	✔	✔	✔	✔
LDAP	✔	❗	Yes (Deprecated)	Yes (Deprecated)
OpenID Connect / JWT	✔	❗	✔	Yes (Federated authentication)
Cloud provider IAM (AWS, Azure, GCS)	AWS IAM	❗	❗	Yes (Multi-cloud)
Kerberos	✔	❗	✔	❗
x.509 certificates	✔	✔	✔	✔
Real-time data processing	❗	❗	❗	✔
Database triggers	❗	❗	❗	✔
Data federation	❗	❗	❗	✔

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	Percona Software for MongoDB	MongoDB Community Edition	MongoDB Enterprise Advanced	MongoDB Atlas
Queryable encryption	– Explicit encryption	– Explicit encryption	Automatic encryption Explicit encryption	Automatic encryption Explicit encryption
Data-at-rest encryption	✓	❗	✓	✓
FIPS 140-2 compliance	✓	❗	✓	✓
Key management compatibility	Hashicorp Vault / OpenBao KMIP Locally managed key files	❗	AWS KMS, Azure Key Vault, GCS KMS KMIP Locally managed key files	AWS KMS, Azure Key Vault, GCS KMS BYOK
Data-in-transit encryption	TLS/SSL	TLS/SSL	TLS/SSL	TLS/SSL
Client-side field-level encryption	– Explicit encryption	– Explicit encryption	Automatic encryption Explicit encryption	Automatic encryption Explicit encryption
Auditing	✓	❗	✓	✓
Log redaction	✓	❗	✓	✓
Role-based access control	✓	✓	✓	✓

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	Percona for MongoDB	MongoDB Community Edition	MongoDB Enterprise Advanced	MongoDB Atlas
Multi-database support	✔	❗	❗	❗
Proactive database management	✔	❗	❗	✔
Tech-agnostic consulting	✔	❗	❗	❗