

# Feature value comparison | Server Features



Server Features	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	✓	✗	✓ via `slowOpSampleRate`	✓ 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



# Feature value comparison | Monitoring, Management and Alertings



Monitoring, Management, and Alerting	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	✓ (19 events)	✗	✓ (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, HipCha, 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	✗ Manual only via 'explain()' command and 'system.profile' collection.	✓ Capturing, analysis, and visualization incl. real-time and historical data	✓ Capturing, analysis, and visualization incl. real-time and historical data



# Feature value comparison | Backup and Restore



Backup and Restore	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	✓ automated	✓ Yes, but requires complex operations	✓ automated	✓ automated
Queryable backup	✗	✗	✓	✓



# Feature value comparison | Enterprise Features



Enterprise Features	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	✓	✗	✓ (Deprecated)	✓ (Deprecated)
OpenID Connect / JWT	✓	✗	✓	✓ (Federated authentication)
Cloud provider IAM (AWS, Azure, GCS)	AWS IAM	✗	✗	✓ (Multi-cloud)
Kerberos	✓	✗	✓	✗
x.509 certificates	✓	✓	✓	✓
Real-time data processing	✗	✗	✗	✓
Database triggers	✗	✗	✗	✓
Data federation	✗	✗	✗	✓



# Feature value comparison | Security



Security	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	N/A	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	✓	✓	✓	✓



# Feature value comparison | Kubernetes Operator



Kubernetes Operator	Percona Operator for MongoDB	MongoDB Community Operator (MongoDB Controllers for Kubernetes Operator)	MongoDB Enterprise Advanced (MongoDB Controllers for Kubernetes Operator)	MongoDB Atlas
<b>Licensing</b>	Open source (Apache 2.0)	Open source (Apache 2.0)	Open source (Apache 2.0)	Open source (Apache 2.0)
<b>Database upgrade support</b>	Yes. Zero-downtime rolling upgrade	✓ Zero-downtime rolling upgrade	Yes. Zero-downtime rolling upgrade	Yes. Zero-downtime rolling upgrade
<b>Monitoring</b>	Excellent. PMM and Prometheus endpoint exposure	Basic. Prometheus endpoint exposure	Excellent. Ops Manager monitoring and alerting	Good. Atlas UI and Atlas API
<b>Backups and restores</b>	Scheduled backups, point-in-time recovery, physical backups, Incremental backups through Oplog / PITR, and on-demand backups supported by Percona Backup for MongoDB	No. Requires manual scripting	Scheduled and on-demand backups supported by Ops Manager	Scheduled and on-demand backups supported by Atlas Backups
<b>Topologies</b>	Replica sets and sharded clusters	Replica sets	Replica sets and sharded clusters	Replica sets and sharded clusters
<b>Compute resource adjustment</b>	Horizontal and vertical with scaling tools	Horizontal and vertical; manual changes	Horizontal and vertical; manual changes	Horizontal and vertical with automatic scaling
<b>Storage volumes adjustment</b>	Horizontal and vertical; manual changes	Horizontal and vertical; manual changes	Horizontal and vertical; manual changes	Horizontal and vertical with automatic resizing
<b>Multi-cluster support</b>	Supported	Not supported	Supported	Supported



# Feature value comparison | Support and Services



Support and Services	Percona for MongoDB	MongoDB Community Edition	MongoDB Enterprise Advanced	MongoDB Atlas
Multi-database support	✓	✗	✗	✗
Proactive database management	✓	✗	✓	✓
Tech-agnostic consulting	✓	✗	✗	✗

