

Percona for MySQL comparison



Server Features	Percona Server for MySQL	MySQL Community Server	MySQL Enterprise Server
Open source	✓	✓	✗
Group replication	✓	✓	✓
Percona XtraDB Cluster (PXC)	✓	✗	✗
MyRocks storage engine	✓	✗	✗
InnoDB / XtraDB storage engine	✓ (Percona XtraDB)	✓ (InnoDB)	✓ (InnoDB)
Audit plugin	✓	✗	✓
Asymmetric Encryption Functions (SQL)	✓	✗	✓
Data-at-Rest Encryption (TDE)	✓	✗	✓
Key Management - KMIP Protocol	✓	✗	✓
Key Management - AWS KMS	✓	✗	✓
Key Management - Hashicorp Vault	✓ (via KMIP or Vault plugin)	✗	✓ (via KMIP)
Key Management - Oracle Key Vault	✗	✗	✓
Key Management - OCI Vault	✗	✗	✓
Native LDAP authentication	✓	✗	✓
LDAP group-to-role mapping (Authorization / Proxy users)	✓	✗	✓
PAM Authentication plugin (Alternative for LDAP, Kerberos, etc.)	✓	✗	✓
FIDO plugin	✓	✗	✓
Thread pool	✓	✗	✓
Data masking plugin	✓	✗	✓



Percona for MySQL comparison



Backup	Percona Distribution for MySQL	MySQL Community	MySQL Enterprise Edition
Open source backup	✓ (via PBX)	✓	✗
Backup to AWS S3	✓ (via PBX)	✗ (requires custom scripts)	✓ (via Enterprise Backup)
Backup to GCP cloud	✓ (via PBX)	✗ (requires custom scripts)	✓ (via Enterprise Backup)
Backup to Azure cloud	✓ (via PBX)	✗ (requires custom scripts)	✗
Backup to OpenStack storage	✓ (via PBX)	✗ (requires custom scripts)	✓ (via Enterprise Backup)
Backup to MiniIO (Kubernetes storage)	✓ (via PBX)	✗ (Basic functionality only)	✓ (via Enterprise Backup)
Physical backup	✓ (via PBX)	✗	✓ (via Enterprise Backup)
Logical backup	✓ (via PBX)	✓ (via mysqldump/mysql shell)	✓ (via Enterprise Backup)
Selective backup	✓ (partials via PBX or logical)	✓ (logical only)	✓ (via Enterprise Backup)
Incremental backup	✓ (via PBX)	✗	✓ (via Enterprise Backup)
Point-in-time recovery	✓ (PBX/mysqldump + binlogs)	✓ (mysqldump + binlogs)	✓ (via Enterprise Backup)
Hot non-backing backups	✓ (via PBX)	✗	✓ (via Enterprise Backup)



Percona for MySQL comparison



Components	Percona Distribution for MySQL	MySQL Community	MySQL Enterprise Edition
MySQL Router (Load balancing)	✓ ProxySQL, MySQL Router, HAProxy	✓ MySQL Router	✓ MySQL Router
Failover automation	✓ Orchestrator, Percona XtraDB Cluster, InnoDB Cluster	✓ InnoDB Cluster	✓ InnoDB Cluster
Advanced client (MySQL Shell)	✓	✓	✓
Classic MySQL client	✓	✓	✓
DBA automation toolkit	✓ (Percona Toolkit)	✗	✗
InnoDB Cluster	✓	✓	✓
Percona XtraDB Cluster, Galera Cluster	✓	✗	✗



Percona for MySQL comparison



Monitoring and Management	Percona Monitoring and Management (PMM)	MySQL Workbench / External tools	MySQL Enterprise Monitor (MEM)
Open source monitoring	✓	✓ (via external tools)	✗
Specialized dashboards: Trends, replication, I/O, query analyzer, etc.	✓	Limited / external	✓
Performance Schema/Performance Schema Waits Analysis	✓	Limited	Equivalent
InnoDB metrics	✓	Limited / external	✗
MyRocks storage engine metrics	✓	✗	✗
Query analytics	✓	Limited / external	✓
Table statistics	✓	Limited / external	✓
User statistics	✓	Limited / external	✓
Advisors and alerting	✓	✗	✓
Group replication	✓	✗	Partial
InnoDB Cluster	✓	Limited / ✗	✗
Backups	✓	✓ / Limited via Enterprise Backup	✓



Percona for MySQL comparison



Kubernetes Operator	Percona Operators for MySQL (Based on Group Replication & based on Galera Cluster)	MySQL Operator for Kubernetes (Community)	MySQL Operator for Kubernetes (Enterprise)
Cross-site replication	✓	Limited / Not built-in	✓ / Not built-in
Database upgrade	Automated	Automated	Automated
Scheduled backups	✓	✓	✓
Incremental Backups	✗ (Supports full physical backups only)	✗	✓
Point-in-time recovery	✓	✓	✓
Monitoring	Percona Monitoring and Management	✓ / Prometheus/Grafana integration through exporters for monitoring	✓ / Oracle Monitoring
Load-balancing	ProxySQL and HAProxy	MySQL Router	MySQL Router
Transport encryption	TLS/SSL in transit	TLS/SSL	TLS/SSL
Data-at-rest encryption	✓	Not provided by default (requires external storage encryption or Enterprise features)	✓
Red Hat® OpenShift® Certified	✓	✗	✗



Percona for MySQL comparison



Support and Services	Percona for MySQL	MySQL Community	MySQL Enterprise Server
Free tier	✓	✓	✗
Multi-database support	✓	Available with third-party vendors like Percona	✗
Proactive database management	✓	Available with third-party vendors like Percona	✓
Tech-agnostic consulting	✓	Available with third-party vendors like Percona	✗

