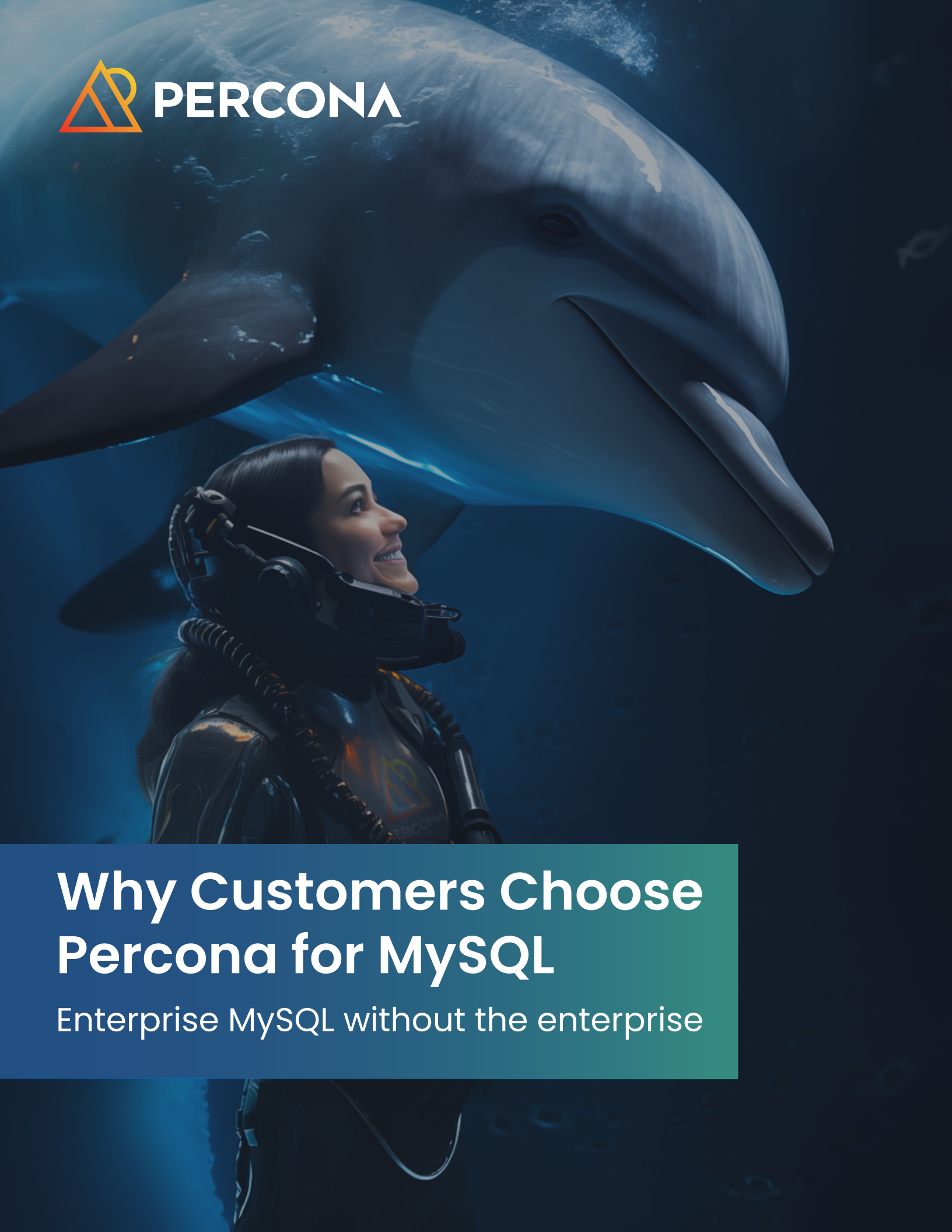

PERCONA

Why Customers Choose Percona for MySQL

Enterprise MySQL without the enterprise

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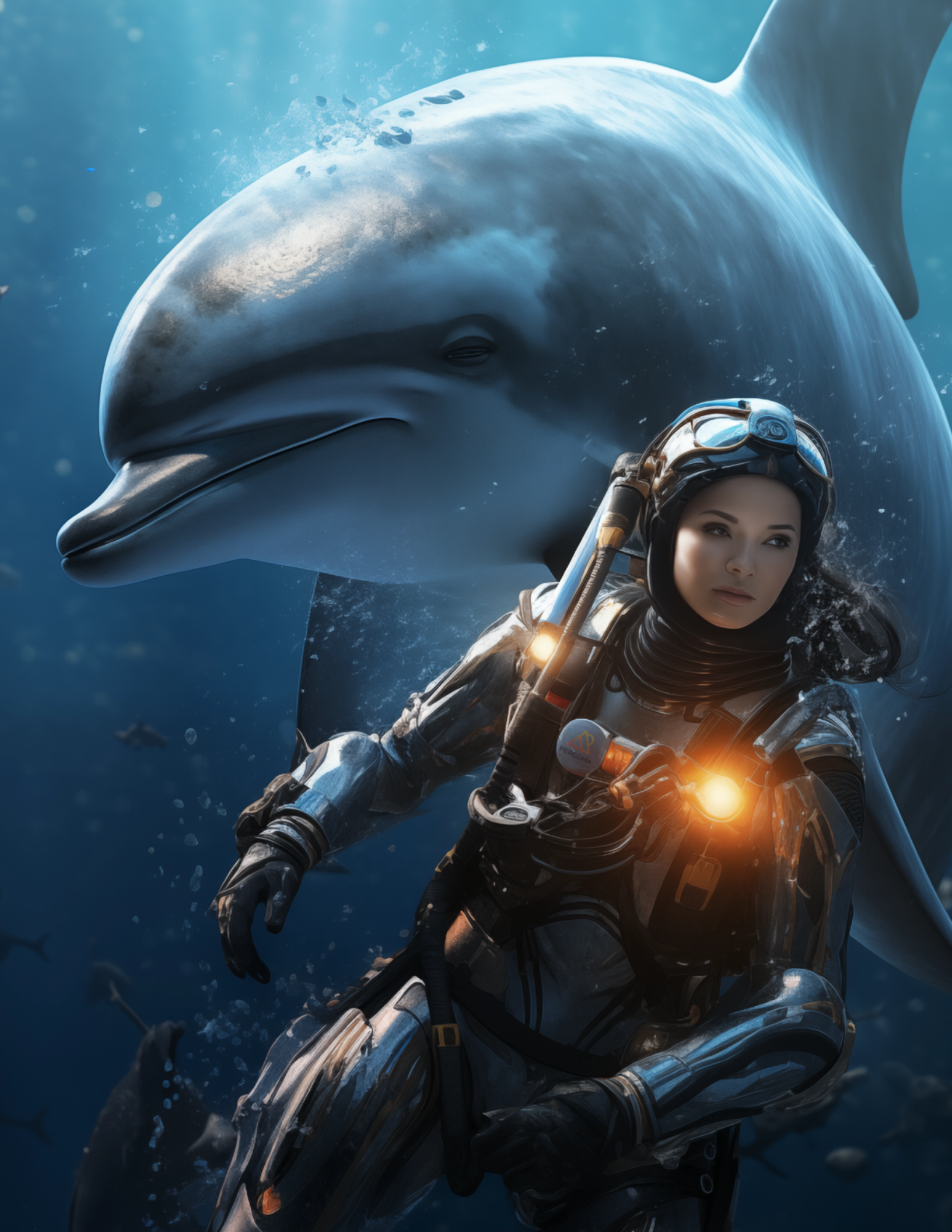
Enterprise MySQL without the enterprise

Table of Contents



MySQL is the most widely adopted open source relational database, serving as the main relational data store for many well-known websites, applications, and commercial offerings. Because of this popularity, several options exist for choosing the right MySQL solution that meets your needs. It can get confusing out there really fast.

Percona for MySQL takes the foundational elements of MySQL Community Edition and supercharges them with enterprise-ready encryption, security, usability, and scalability features you'd only otherwise get from MySQL Enterprise.

Percona for MySQL encompasses both our software and services, designed to enhance the scalability and performance of your MySQL deployments. Our approach marries the best of both worlds: the open source, no-cost availability of MySQL Community Edition, and the comprehensive feature set typically exclusive to MySQL Enterprise Edition. This means no licensing fees, no vendor lock-in, and no arbitrary limitations for built-in security, performance, availability, and backup features on par with those found in the enterprise version.

Transitioning to Percona for MySQL is easy, whether starting from scratch or migrating from MySQL Community Edition or MySQL Enterprise Edition. You can utilize our software independently and/or you can take advantage of a full range of tools and services designed to monitor, manage, secure, and optimize your database environments. In addition, you can have access to our responsive and expert support and managed services.

In this overview, you'll learn about the specific features and benefits of Percona for MySQL compared to MySQL Enterprise and MySQL Community, understand our support and service options, and explore customer case studies that demonstrate the real-world advantages of choosing Percona for MySQL. For those ready to graduate to an enterprise version of MySQL, Percona is a compelling, cost-effective, and flexible alternative to MySQL Enterprise.

Experience "Enterprise MySQL without the Enterprise" – a solution that empowers you to build, deploy, and scale your database environments without the constraints of traditional enterprise solutions.

The enterprise dilemma: The case for open source alternatives

While offering several advanced features and support services, the proprietary enterprise version of MySQL also comes with significant drawbacks that organizations need to consider. One of the primary issues with the proprietary MySQL Enterprise Edition is the risk of vendor lock-in. Vendor lock-in refers to a situation where a customer becomes overly dependent on a vendor for products and services, making it difficult and costly to switch to other options. This can lead to several problems:

Limited freedom and innovation: Vendor lock-in in the database software industry can result in restricted freedom to innovate, scale, and explore new options for building performant database environments. It also implies there could be financial losses due to escalating licensing fees.

Scaling and infrastructure flexibility: Being tied to a single vendor's proprietary software can limit an organization's ability to change software and infrastructure to meet evolving business needs and scale the business up or down.

Certification limitations: Proprietary software arrangements can also lead to certification limitations, where the software is only certified against a specific database or set of databases, restricting the organization's flexibility regarding server choice.

Choosing the proprietary enterprise MySQL database version over an open source, freely available version can present several other challenges in addition to vendor-lock-in, including:

High cost: While initial costs may seem reasonable, they can quickly escalate every year once locked-in due to server needs, arbitrary changes in licensing and support fees, and the inclusion of bundled technology that may not even be needed.

Limited customization: Proprietary versions may not offer the same level of customization as open-source versions.

Complex licensing terms: Understanding and complying with strict licensing terms can be complicated.

Dependence on vendor roadmaps: Users depend on the vendor's development and release schedules.

Limited community support: Unlike open source versions, proprietary software doesn't benefit from the broad support of a community.

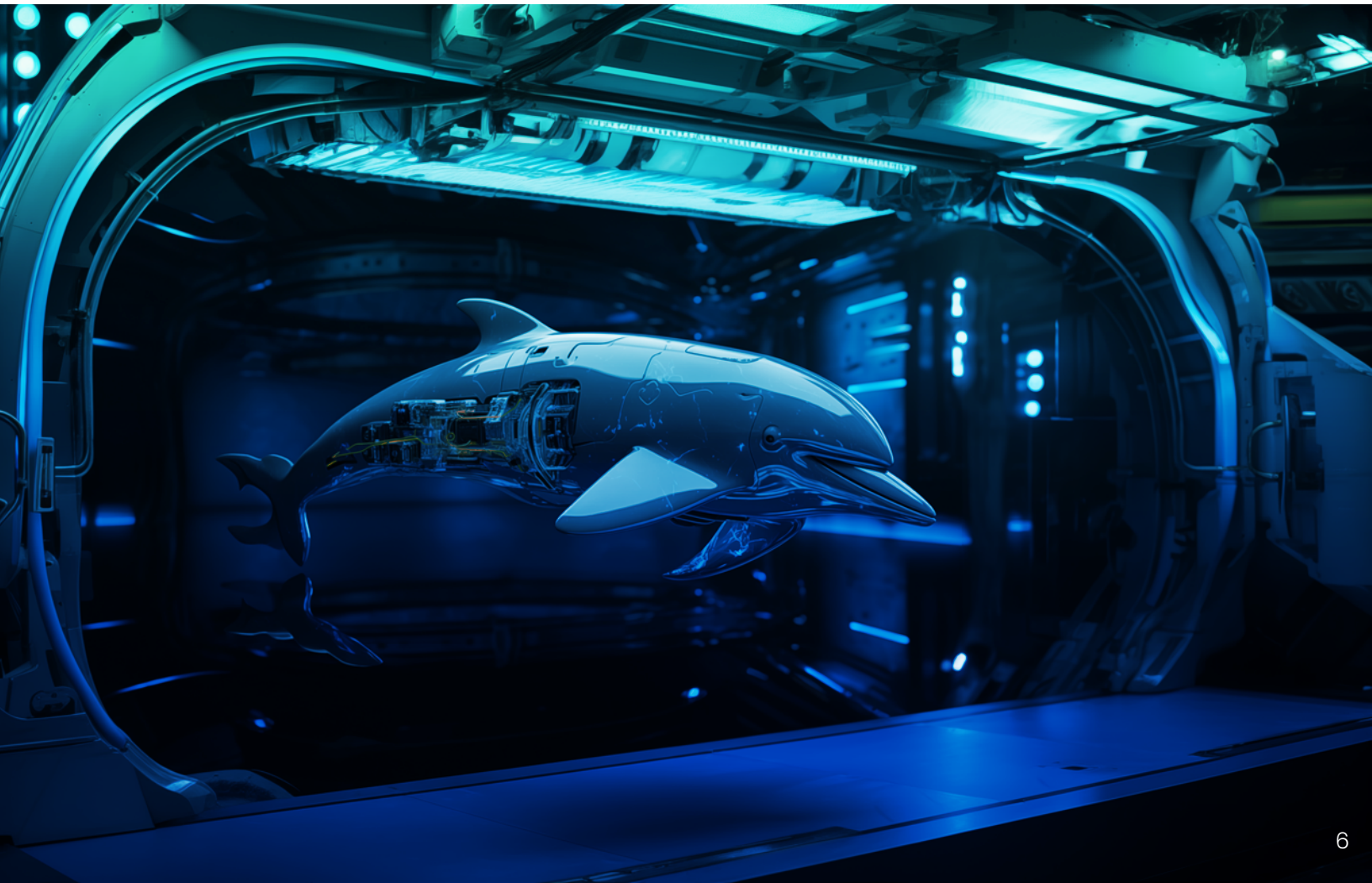
Additional costs for support and features: Essential features and support services may incur additional costs.

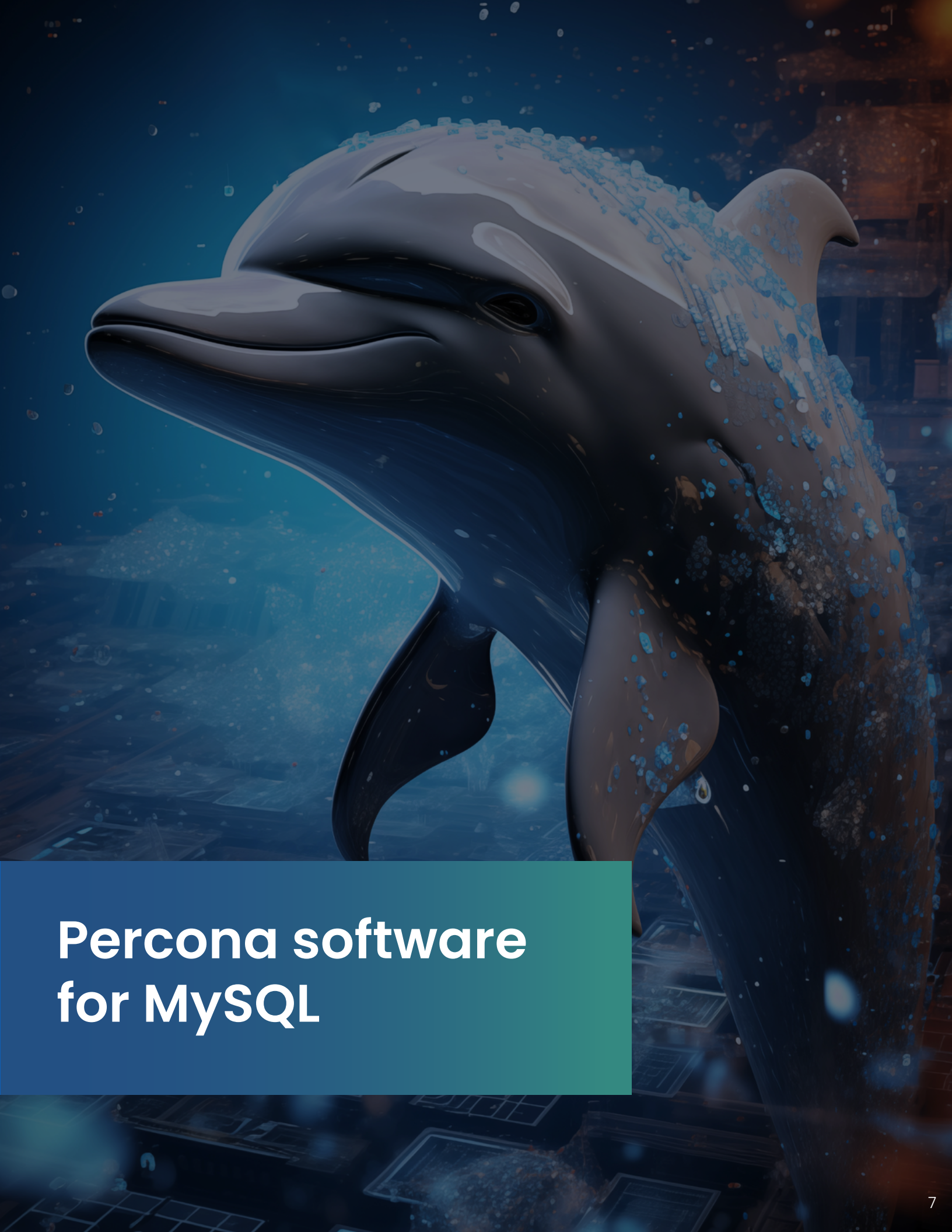
Risk of obsolescence: Proprietary software could become obsolete if the vendor shifts focus or discontinues the product. For example, MySQL 5.7 EOL happened in October 2023, meaning there won't be any more updates or security fixes for any discovered vulnerabilities. However, Percona offers consultative and operational support for MySQL 5.7 for up to three years post-EOL.

Many organizations choose open source solutions over proprietary ones because of the problems we discussed. Here's some recent news on the matter:

- *Amazon, Audi, BMW, Google, IBM, and Facebook are just a small sampling of leading corporations that use open source software for enterprise use. -* ***CodeSnail***
- *68% of survey respondents use open source software to avoid vendor lock-in -* ***Percona OSS Survey 2023***
- *The Global Spotlight 2023 report found that over 90% of organizations are adopting open source software at least moderately. -* ***Linux Foundation***
- *"The most prevalent misconception about open source software is traditionally tied to its security deficiencies. However, the high volume of vulnerabilities being patched only demonstrates the strength of the large community around these projects. Thus, instead of sweeping security errors under the rug, the community addresses them and directly informs the users." -* ***Forbes***
- *Most (83%) of survey respondents consider cost savings a major factor for moving to open source.* *-* ***Percona OSS Survey 2023***
- *Not only are open source solutions typically much more inexpensive in an enterprise environment for equivalent or superior capability, but they also give enterprises the ability to start small and scale.* *-* ***Enterprisers Project***
- *Today, 41% of all database instances are licensed via community-supported open source models, vs. 29% for proprietary commercial versions.-* ***Percona OSS Survey 2023***

While MySQL Enterprise Edition is good software, its proprietary nature introduces challenges like vendor lock-in, high costs, limited scaling, and infrastructure flexibility. We solve these problems with a unique combination of software and support. Let's look at each in greater detail.





Percona software for MySQL

Percona software for MySQL

Percona offers a comprehensive suite of software for MySQL designed to enhance the functionality and performance of MySQL databases. As we explore some of the features and capabilities of our software here, a detailed comparison can be found at the end of this document that provides a complete overview to help you understand the full scope and advantages of using Percona software for MySQL as compared to MySQL Community and MySQL Enterprise Edition.

At the heart of Percona for MySQL is Percona Distribution for MySQL, an enhanced, open source, and enterprise-grade version of MySQL. It comes in two deployment variants: one is based on Percona Server for MySQL and another on Percona XtraDB Cluster, differing in the components and how to use them (which we'll expand upon later). Percona Distribution for MySQL merges the solid performance of the MySQL Community Edition with Percona's advanced features and optimizations, making it adept at handling demanding workloads while providing a scalable, reliable, and high-performance database solution.

Another key component in Percona's suite is the Percona XtraBackup. This free, open source MySQL backup software is designed to perform non-blocking backups for InnoDB and XtraDB databases. Its efficiency and flexibility offer features like incremental backups, streaming, and compression. These capabilities make XtraBackup an invaluable tool for ensuring data safety without compromising database performance.

For those operating in a cloud-native environment, Percona Operators for MySQL are indispensable. These Kubernetes operators are crafted to automate and simplify the deployment, management, and scaling of MySQL instances, supporting your cloud-native strategy and helping you manage database workloads on any supported Kubernetes cluster running in private, public, hybrid, or multi-cloud environments. They provide easier scalability, high availability, and streamlined operations within a Kubernetes ecosystem.

Lastly, but certainly not least, Percona Monitoring and Management (PMM) plays a critical role in maintaining the health and efficiency of database systems. As an open source solution, PMM manages and monitors the performance of various database technologies. It offers in-depth insights into database performance, aiding in identifying and resolving issues like performance bottlenecks and inefficient queries.

With enterprise-grade security, performance, and scalability, Percona software for MySQL is suitable for businesses of all sizes while ensuring freedom from vendor lock-in, providing flexibility and control to the users. Its compatibility with MySQL Community Edition means it can be easily integrated into existing MySQL setups, making it a versatile choice for database management and optimization.

Now, let's dig a little deeper into each component that makes up Percona software for MySQL.

Percona Distribution for MySQL

The software's core is Percona Distribution for MySQL, a single, complete solution with the best and most critical enterprise components from the MySQL open source community, designed and tested to work together. It helps companies deliver enterprise-grade MySQL database environments to support their most critical business applications no matter where they run – on-premises or in public, private, and hybrid cloud environments.

Key advantages of Percona Distribution for MySQL include:

Increase MySQL database stability and reliability. Our hardened solution has been designed and extensively tested to meet your enterprise needs by a company with over 17 years of MySQL expertise.

Eliminate data loss. High availability and backup options give you confidence that your data has been saved and is available for your business-critical applications.

Improve data durability. Galera replication enables increased application availability and improved user experience.

Improved stability and availability. Preserve, secure, and protect your data and revenue streams by minimizing unexpected downtime and data loss while providing the highest level of availability for your business-critical applications, no matter where they are deployed.

Improved performance. The ability to achieve the highest transaction level throughout the process while supporting hundreds of thousands of users for the fastest data operations possible.

Easily scale your environment. Using Kubernetes for automated provisioning of additional nodes lets you quickly meet evolving business demands.

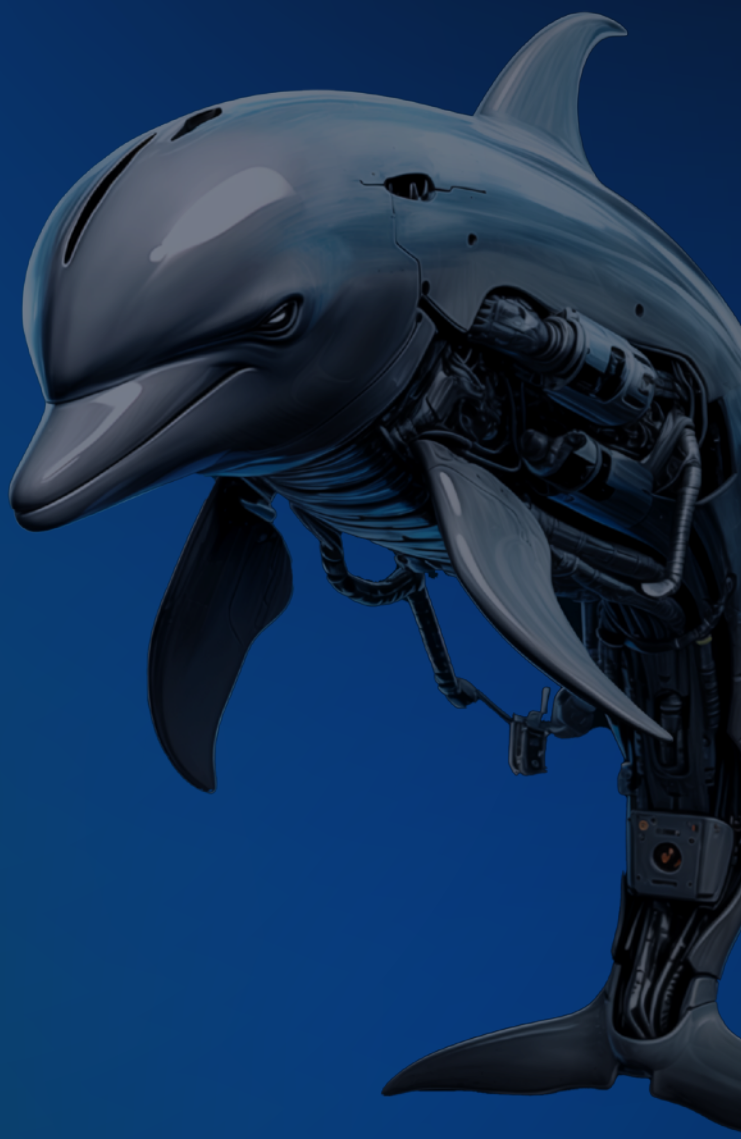
Improved efficiency. Our compatible tools enable DBAs to quickly and easily perform complex tasks to support changing requirements.

Depending on your requirements, there are two options we offer as the base server, both providing you with enterprise-grade features for free — Percona Server for MySQL or Percona XtraDB Cluster, differing in the set of components and how you can use them:

Percona Server for MySQL

Percona Server for MySQL provides enterprise-grade features in an open source solution. It is a drop-in replacement for MySQL Community or Enterprise editions that provides better performance, scalability, and enhanced security features without disrupting current operations.

One of the key advantages of Percona Server for MySQLis its superior performance. It is optimized for high-demand environments, ensuring faster query processing and more efficient use of hardware resources. This makes it an excellent choice for businesses with large databases or those that experience high transaction volumes.



Percona XtraDB Cluster

Percona XtraDB Cluster is the most stable, scalable, secure, and highly available open source, enterprise-grade MySQL database. It is designed to provide a clustering and replication solution that ensures data is synchronized across multiple servers, enhancing your database system's reliability and performance.

Unlike standard MySQL replication, which is asynchronous, Percona XtraDB Cluster uses synchronous replication, meaning a transaction is committed across all nodes simultaneously. Through its use of the Galera library, Percona XtraDB Cluster ensures data integrity and durability, even during sudden node shutdowns or network issues.

Designed to handle mission-critical workloads, Percona XtraDB Cluster preserves, secures, and protects your data and revenue streams by providing the highest level of availability for your business-critical applications.

Percona XtraBackup

Offering complete feature parity with MySQL Enterprise Backup, Percona XtraBackup is the world's only open source, hot backup utility for all MySQL-based servers. It performs online non-blocking, tightly compressed, highly secure full backups on transactional systems so that applications remain fully available during planned maintenance windows.

Percona XtraBackup empowers you to:

- Complete backups quickly and reliably
- Make incremental backups of MySQL
- Stream compressed MySQL backups to another server
- Create new MySQL replication replicas easily
- Ensure uninterrupted transaction processing during backups
- Save on disk space and network bandwidth
- Automate backup verification
- Benefit from faster restore time and higher uptime
- Backup to clouds (AWS, GCP, Azure)

Whether a 24x7 highly loaded server or a low-transaction-volume one, Percona XtraBackup is designed to make backups seamless without disrupting the server's performance in a production environment.

Percona Operators for MySQL

Percona Operator for MySQL is a production-ready open source alternative to the enterprise MySQL Operator for Kubernetes and includes the enterprise-ready features by default: backup/restore, high availability, replication, sharding, logging, and more.

With Percona Operator for MySQL, you can support your cloud-native strategy by creating, configuring, and managing complex resources and applications through Kubernetes-native APIs. It allows DevOps teams to automate tasks, including deploying new applications and mangaging upgrades, all without usage restrictions, expensive contracts, or vendor lock-in.

Databases on Kubernetes are commonly considered complex, but with the Percona Operator, you can simplify database management, enable easier migrations to k8s, and respond to demand spikes flexibly.

Why choose Percona Operator for MySQL for your cloud-native needs?

Coded-in expertise: Software that works seamlessly with your existing Infrastructure-as-code and DevOps tools. Services and support for on-demand or hands-on expertise where and when needed.

Hassle-free provisioning and management: Percona software automates Day-1 and Day-2 database operations via Kubernetes, so you don't have to run and manage databases manually or with in-house scripts

Ready-to-use open source foundations: Easily build a container platform for MySQL on Kubernetes or quickly spin up your own open source private DBaaS for internal or external use. Or do both.

Total freedom and flexibility: Run databases anywhere and move between environments without usage restrictions and lock-in. Always own access and availability of your data.

Percona Operator for MySQL comes in two flavors:

- Percona Operator for MySQL based on Percona XtraDB Cluster
- Percona Operator for MySQL based on Percona Server for MySQL

Other components of Percona software for MySQL

While the **full list of components** provided in the Percona Software for MySQL suite is too long and detailed to include here, you can review them on our website. From ProxySQL to MySQL Shell to Percona Toolkit, Percona for MySQL comes with all the enterprise-ready features and tools you need to meet your application and business needs.

PERCONA

Monitoring and Management

The open source alternative to MySQL Enterprise Monitor: Percona Monitoring and Management

Percona Monitoring and Management (PMM) is an open source alternative to MySQL Enterprise Monitor, offering a comprehensive suite of tools for enhanced database management and performance optimization. Designed to work with various MySQL variants, including Percona Server for MySQL, Percona XtraDB Cluster, and MySQL Community and Enterprise Editions, PMM is a versatile solution for diverse database environments.

Key to PMM's functionality is its ability to capture detailed metrics and data for the InnoDB, XtraDB, and MyRocks storage engines. It provides specialized dashboards tailored for each engine, giving administrators deep insights into specific operational aspects. These dashboards offer a granular view of database health and performance, enabling users to zoom in from node-level to single-query performance metrics.

Query Analytics

One of the standout features of PMM is its Query Analytics. This tool identifies and resolves costly and slow-running queries, effectively addressing performance bottlenecks. With this feature, database administrators can optimize query performance, improving overall database efficiency.

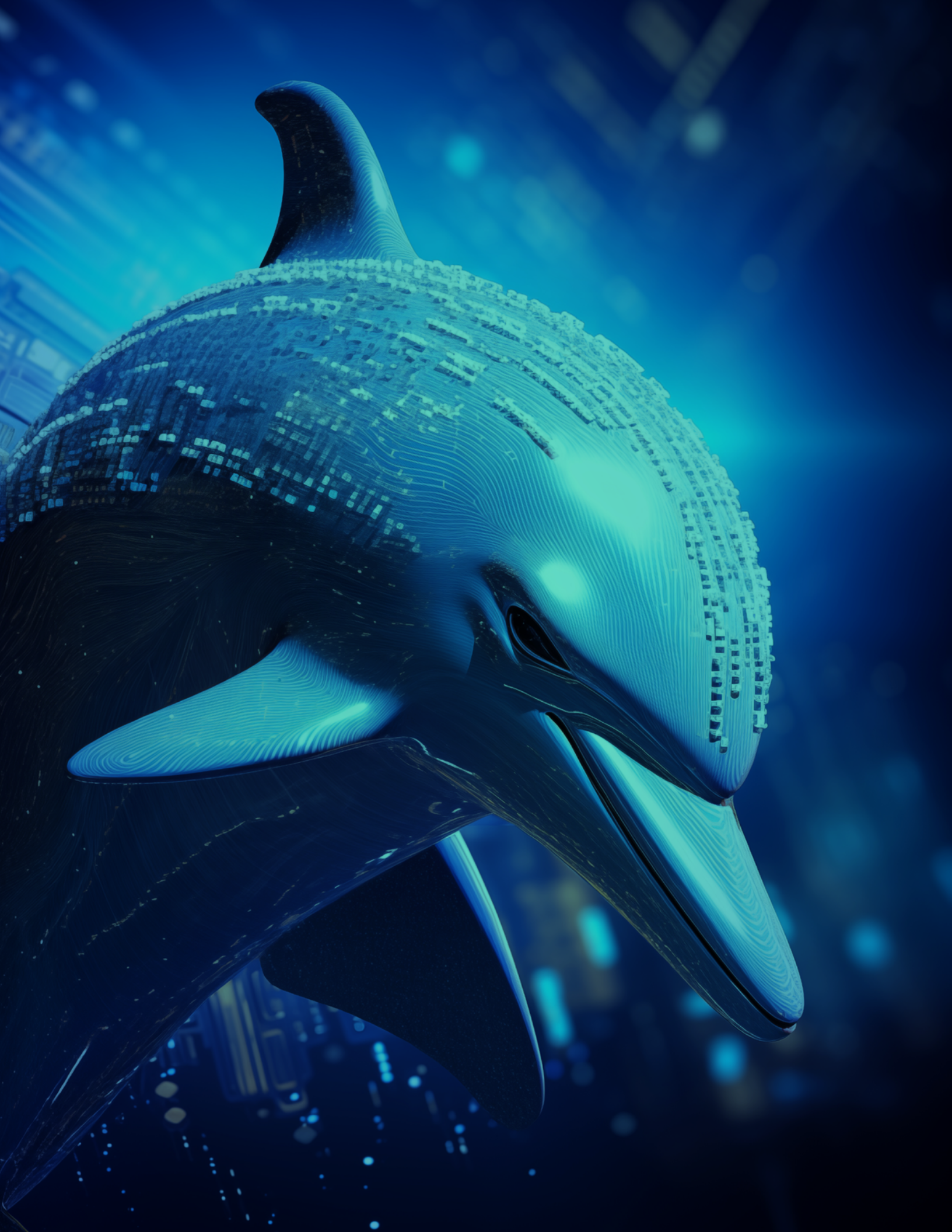
Alerting and management capabilities

PMM's alerting and management capabilities include backup, restore, and a built-in open source Private DBaaS, all designed to increase the efficiency of IT teams. With PMM, users can monitor and alert on key performance indicators, diagnose and troubleshoot issues, optimize database performance, and manage various database tasks such as creation, maintenance, and indexing.

Percona Advisors

Percona Advisors, an integral part of PMM, continuously scan databases for potential security threats, misconfigurations, and performance improvement opportunities. They provide valuable performance, security, and configuration recommendations, aiding in maintaining high database performance and security standards.

Percona Monitoring and Management caters to a wide range of users, including database administrators, software architects, developers, and site reliability engineers seeking an enterprise-ready, open source solution for monitoring and alerting, diagnosing and troubleshooting database issues, and optimizing and managing database environments.



Support and services for MySQL

Support and services for MySQL

Percona's offerings go beyond just a MySQL software solution; they provide a unified support and services experience for dedicated MySQL installations and diverse, multi-database environments. This approach empowers organizations to consolidate their open source database service providers securely and cost-effectively, enhancing their competitive edge and agility, all while avoiding vendor lock-in.

One of the key challenges in database management, whether hosted on-premises or in the cloud, is maintaining optimal performance. This can be daunting, particularly for organizations lacking in-house expertise or the resources to employ a full-time database administrator. Recognizing these constraints, Percona offers a variety of flexible options that steer clear of rigid, multi-year contracts.

Many of our customers use multiple service offerings, and to help you make the right choice, we have broken down each service and what it includes.

Percona Support for MySQL

Percona Support for MySQL is a comprehensive service designed to be a trusted advisor for organizations seeking expert assistance in optimizing the performance of their MySQL deployments. This service is particularly beneficial for businesses requiring immediate, expert guidance for technical challenges or performance enhancements.

Key benefits of Percona Support for MySQL include:

1. Premium service level agreements (SLAs) at standard rate prices: This offering ensures that your MySQL installation operates at peak performance, with services tailored to address various performance-impacting issues such as poorly optimized queries, slow response times, unsecured databases, incorrectly installed software, and improperly configured settings.

2. Rapid problem resolution: Percona's support engineers have extensive experience in diagnosing and resolving MySQL issues quickly, reducing the time to implement fixes from weeks to hours.

3. Reduced application downtime: The service focuses on increasing uptime, restoring services promptly, and implementing performance improvements. Clients also receive best practices for high availability, backup, and database optimization.

4. Support plans tailored to your needs: Percona offers two main types of support plans – Advanced and Premium:

***Advanced plan*:** This plan targets complex business and technical needs in demanding environments. It offers 24x7x365 expert support, a 30-minute SLA for Severity 1 incidents, and up to 10 technical contacts. Features include phone and chat support, assistance with product usage and service restoration, bug fixes, access to the Percona Knowledge Base, consultative support, and an optional Technical Account Manager. The software covered includes Percona Distribution for MySQL, Percona XtraBackup, and Percona Monitoring and Management.

***Premium plan*:** Designed for mission-critical environments with uncompromising requirements, this plan includes everything in the Advanced plan plus a 15-minute SLA guarantee for Severity 1 incidents, community bug fixes, and options for liability and copyright indemnity. It supports up to 20 technical contacts and covers additional software like Orchestrator, ProxySQL, and HAProxy.

Both plans offer flexible server pricing, ensuring organizations of various sizes and requirements can find a suitable support solution.

Percona Managed Services for MySQL

Percona Managed Services for MySQL extends your database team by adding Percona's expertise to your operations through an annual contract. Percona offers two tailored service plans for MySQL:

Advanced Managed Services: Ideal for production database environments, it features 24x7x365 hands-on support, 30-minute SLAs, monitoring and alerting, basic maintenance (critical patches, etc.), and robust change management. The plan also includes access to the Percona Knowledge Base, full support for any non-EOL software with operational support for one year post-EOL, and a dedicated Service Delivery Manager,

Premium Managed Services: Designed for mission-critical environments, it includes everything in the Advanced plan plus 15-minute SLAs, support for up to 50 servers, eight hours per month of query tuning, liability and copyright indemnity options, quarterly proactive deliverables, and the availability of a "Sticky Engineer" for dedicated support.

The beauty of Percona Managed Services lies in the convenience it offers – there's no need to stress about hiring and retaining in-house staff. Percona provides a team always ready to tackle arising issues, ensuring that your database needs are met without the hassle of staffing and cost concerns. Our around-the-clock monitoring also eliminates the need for 24x7x365 coverage from your side, sparing your DBAs from middle-of-the-night emergencies.

A key part of the service is setting up your environment to align with Percona's best practices. This includes implementing high availability and establishing a backup strategy that meets or exceeds your business requirements for Recovery Time Objective (RTO) and Recovery Point Objective (RPO). Such measures ensure that your data is secure and readily available for your applications, ultimately satisfying end-users.

The benefits of Percona Managed Services for MySQL include:

Reduced staffing costs: Percona's experts serve as an extension of your team, offering constant coverage without the need for on-staff DBAs.

Data protection: Reliable and automated backup and recovery processes safeguard your data in emergencies.

Continuous monitoring: Proactive monitoring and alert/response systems ensure data security and database performance.

Reduced storage costs: Efficient backup procedures help trim storage costs and minimize management

responsibilities.

Proven problem-solving procedures: The package includes incident management and root cause analysis (RCA) services.

Industry-best SLAs: A 15-minute service-level agreement (SLA) underscores Percona's commitment to prompt support.

Accessible applications: Quick resolution of potential and actual problems maintains the availability of critical business processes.
Robust change management system: Standardized procedures for database modifications ensure consistency and reliability.

Percona Consulting for MySQL

Percona Consulting offers specialized consulting services for MySQL, executed under a clearly defined scope agreement. Our team provides a detailed scope of work, outlining the tasks to be accomplished, along with an estimated duration and a comprehensive pricing structure for the project. Should additional issues be identified during the engagement, our consultant will flag these for attention, and a separate quote will be prepared for any new work that arises.

At the core of Percona Consulting is the commitment to delivering unbiased, optimal solutions for your database environment. This approach is geared towards helping you achieve your specific business objectives.

Percona Consulting's flexible approach includes the option for remote engagements, which are often quicker and easier to schedule, and on-site visits for in-depth activities like architecture planning. The consultants' involvement can vary, with some tasks done independently and others requiring your input, especially at the beginning and end of a project. This service is ideal for enhancing your database's performance and reliability, providing expert support tailored to your specific needs.

Percona Training

Percona Training offers an excellent opportunity for teams to enhance their skills in managing MySQL databases. This training, which can span one to three days, is priced based on several factors and is designed to provide a comprehensive learning experience.

The training sessions are characterized by their hands-on approach, ensuring that participants learn theoretical aspects and apply what they have learned in practical exercises. The ability to ask questions and engage with instructors throughout the sessions further enriches the learning experience.

Percona delivers this training in various formats to suit different needs, including on-site, online, or blended classroom settings, and is designed to maximize comprehension, knowledge retention, and skill application, making it an ideal investment for teams looking to boost their proficiency in MySQL database management.

Percona's training for MySQL is an excellent resource for teams seeking to deepen their expertise in MySQL, whether they are looking to improve database management, enhance security, optimize performance, or explore advanced features of MySQL.

Customer case studies:

Embracing enterprise-ready MySQL with Percona

Customer case studies: Embracing enterprise-ready MySQL with Percona

Organizations are increasingly realizing the benefits of enterprise-grade open source MySQL, motivated by their specific needs for customized solutions and a desire to avoid limitations associated with vendor lock-in. The following customer success stories demonstrate how various organizations have effectively utilized Percona for MySQL, highlighting a preference for a more advanced, freely available MySQL version and the critical role of dedicated support in ensuring high performance, reliability, and scalability. Each story exemplifies how Percona's MySQL solutions provide a mix of tailored functionality, advanced features, and the freedom of open source technology.

YAHOO! JAPAN

Yahoo! Japan Selects Percona For Achieving Master High Availability

Yahoo! Japan, catering to approximately 85 million monthly active users across around 100 online services, faced a challenge in maintaining uninterrupted, high-performance services. The cornerstone of their robust service delivery was their database infrastructure, primarily based on MySQL. They required a solution to ensure Master High Availability (MHA) for their databases, essential for their 24/7 operational needs.

After evaluating various options, Yahoo! Japan chose Percona for its superior support services and the XtraDB Cluster solution. This choice was driven by Percona's ability to provide high availability and advanced technical support, crucial for addressing database issues efficiently. The initial success led Yahoo! Japan to expand its support coverage further, improving its developers' experience while maintaining high availability.

A significant innovation was the development of a private database as a service (DBaaS) platform, combining Percona's XtraDB Cluster with OpenStack cloud computing infrastructure. This integration allowed Yahoo! Japan to update application components more swiftly and efficiently and enabled them to eliminate unplanned database downtime, automate data recovery, and update applications anytime without planned downtime.

The collaboration with Percona became integral to Yahoo! Japan's database support structure. With Percona's advanced technical support and software patches, Yahoo! Japan could proactively resolve database issues and prevent critical system failures. This partnership also facilitated the deployment of services more efficiently and achieving goals in infrastructure availability and resilience.

OTTO OFFICE

Leading German Retailer Experiences Added Stability and Performance with Percona MySQL Software and Support

Otto Office, a major German business-to-business retailer specializing in office supplies, and its parent company, Printus, experienced significant improvements in stability and performance after adopting Percona MySQL Software and Support. As a company reliant on fast and reliable customer service, particularly for their 24-hour delivery commitments, Otto Office required a robust and scalable technology infrastructure.

Historically satisfied with MySQL databases since 1999, Otto Office sought to enhance its system by integrating Percona XtraDB Cluster for faster data synchronization across different data centers. They engaged Percona for a detailed review and consultation of their database environment to further refine their database latency and architecture. This collaboration focused on optimizing configuration for stability and performance, ensuring high availability, and fortifying the system against data center failures.

Sven Jacobsen, Otto Office's Director of IT & eCommerce, expressed satisfaction with Percona's services, likening their support contract to essential insurance in case of emergencies. The collaboration resulted in beneficial exchanges and quick solution finding, thanks to Percona consultants' expertise and stability-focused approach.

Otto Office and Printus now rely on Percona for their extensive MySQL knowledge, responsive support, and expert consulting services. They benefit from Percona's market-leading open-source database software, tools, and 24/7 expert MySQL database support.

OK, this all sounds great — How do I get started?

We call ourselves an alternative to enterprise MySQL for a reason, and getting started with Percona for MySQL is designed to be as effortless and informative as possible. Choosing Percona for MySQL means much more than just implementing a software solution; it involves embracing a complete ecosystem of tools, support, and services designed to enhance your database operations.

Whether you're looking to optimize your current MySQL setup or transition from MySQL Community Edition or MySQL Enterprise Edition to a freely-available, enterprise-grade open source version, Percona provides clear pathways and resources to help you get started.

Quickstart guides

Our quickstart guides are the perfect first step for those eager to dive in. These comprehensive guides are crafted to help you swiftly set up and configure the various aspects of Percona for MySQL. They offer step-by-step instructions, ensuring a smooth and efficient setup process.

Percona Distribution for MySQL Quickstart Guide

Percona Server for MySQL Quickstart Guide

Percona XtraDB Cluster Quickstart Guide

Percona Operator for MySQL based on Percona XtraDB Cluster Quickstart Guide

Percona Operator for MySQL based on Percona Server for MySQL Quickstart Guide

Percona XtraBackup Quickstart Guide

Percona Monitoring and Management Quickstart Guide

Support and services

For more detailed information on the various support and services available, we encourage you to visit our **support and services page**. Here, you'll find a wealth of information about how Percona can assist you, from routine maintenance and troubleshooting to more complex tasks like performance tuning and high availability setups.

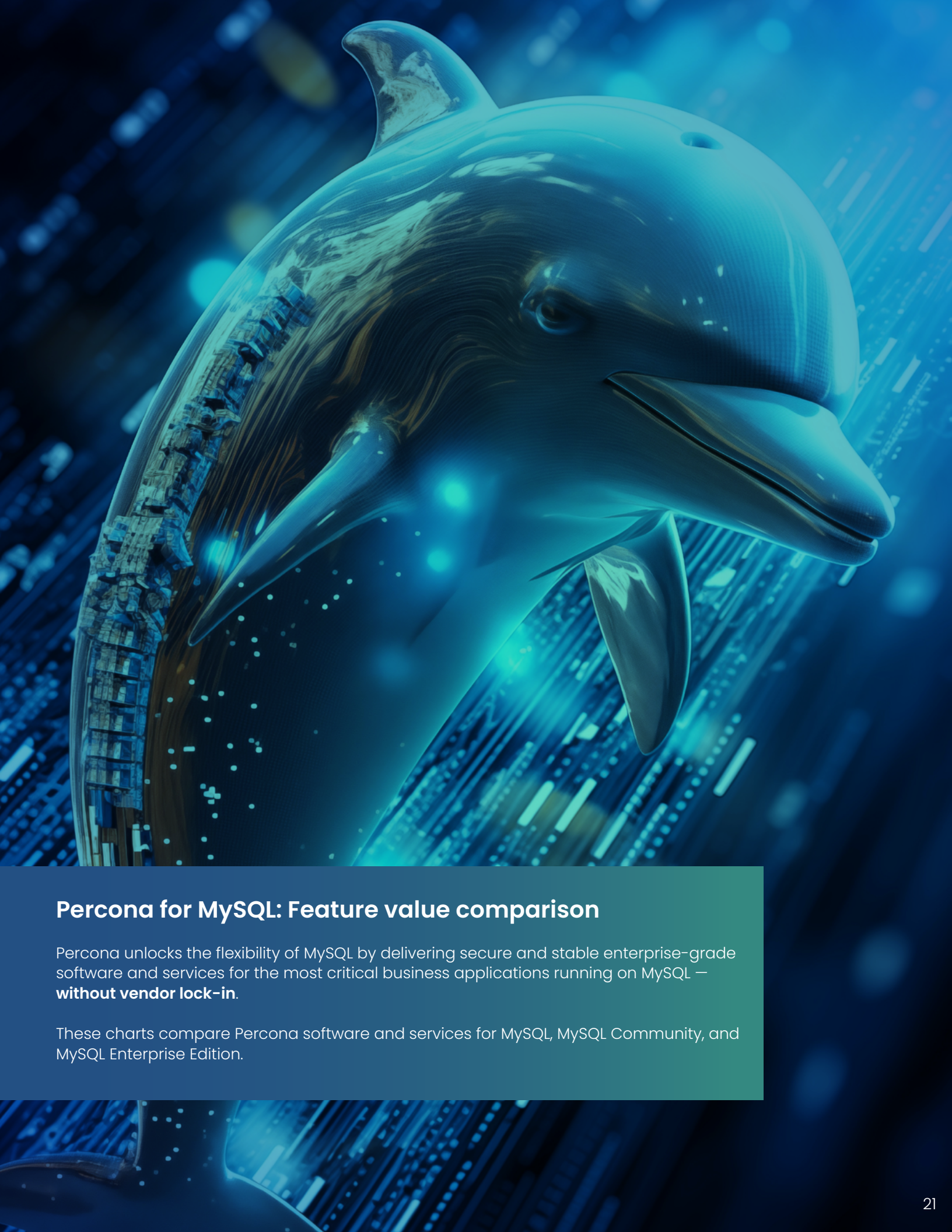
Percona for MySQL

Percona for MySQL blends the open source accessibility of MySQL Community Edition with the extensive feature range typically reserved for MySQL Enterprise Edition. This integration translates to zero licensing fees, elimination of vendor lock-in, and avoidance of arbitrary restrictions.

Learn More

Feature Comparison

View our feature matrix below to see how Percona software and services for MySQL compares to MySQL Community Edition and Enterprise Edition.



Percona for MySQL: Feature value comparison

Percona unlocks the flexibility of MySQL by delivering secure and stable enterprise-grade software and services for the most critical business applications running on MySQL — **without vendor lock-in**.

These charts compare Percona software and services for MySQL, MySQL Community, and MySQL Enterprise Edition.

Server Features | Backup Features | Components | Monitoring and Management | Kubernetes Operators | DBaaS | Support and Services

	Percona Server for MySQL	MySQL Community Server	MySQL Enterprise Server
Open source, freely available software	✓	✓	!
High availability	✓	✓	✓
MyRocks storage engine	✓	!	!
Audit	✓	!	✓
Encryption functions	✓	✓	✓
Data At Rest Encryption	✓ With integrations: AWS KMS, Hashicorp, KMIP	✓ Basic functionality only	✓ With integrations: AWS KMS, Hashicorp, KMIP
External authentication	✓ LDAP, FIDO, Kerberos, PAM	!	✓ LDAP, FIDO, Kerberos, PAM, Windows
Thread pool	✓	!	✓
Data masking	✓	!	✓

Server Features | Backup Features | Components | Monitoring and Management | Kubernetes Operators | DBaaS | Support and Services

	Percona Distribution for MySQL	MySQL Community	MySQL Enterprise Edition
Backup to AWS cloud	✓	!	✓
Backup to GCP cloud	✓	!	✓
Backup to Azure cloud	✓	!	!
Backup to OpenStack storage	✓	!	✓
Backup to MinIO (K8s storage)	✓	!	!
Physical backup	✓	✓	✓
Logical backup	✓	✓	✓
Selective backup	✓ With logical backups	✓ With logical backups	✓
Incremental backup	✓	✓	✓
Point-in-time recovery	✓	✓	✓
Hot non-blocking backups	✓	!	✓

Server Features | Backup Features | Components | Monitoring and Management | Kubernetes Operators | DBaaS | Support and Services

	Percona Distribution for MySQL	MySQL Community	MySQL Enterprise Edition
Load balancer	ProxySQL, MySQL Router, HA Proxy	MySQL Router	MySQL Router
Failover automation	Orchestrator, Percona XtraDB Cluster, InnoDB Cluster	InnoDB Cluster	InnoDB Cluster
Scripts to automate DBA tasks	MySQL Shell, Percona Toolkit	MySQL Shell	MySQL Shell
Client and code editor	✓	✓	✓
InnoDB Cluster (Group Replication)	✓	✓	✓
Percona XtraDB Cluster (Galera Cluster)	✓	!	!
Asynchronous replication	✓	✓	✓

Server Features | Backup Features | Components | Monitoring and Management | Kubernetes Operators | DBaaS | Support and Services

	Percona Monitoring and Management (PMM)	MySQL Workbench	MySQL Enterprise Monitor
Open source	✓	✓	!
Specialized dashboards: trends,replication, I/O, query analyzer, etc.	✓	Limited	✓
Performance Schema/ Performance Schema Waits Analysis	✓	Limited	✓
InnoDB metrics	✓	Limited	✓
MyRocks storage engine metrics	✓	!	!
Query analysis	✓	Limited	✓
Table statistics	✓	Limited	✓
User statistics	✓	Limited	✓
Advisors and alerting	✓	!	✓

Server Features | Backup Features | Components | Monitoring and Management | Kubernetes Operators | DBaaS | Support and Services

	Percona Operator for MySQL	MySQL Operator for Kubernetes	MySQL Operator for Kubernetes
Integrated multi-cloud deployment configuration	✓	!	!
Automated upgrade	✓	!	!
Scheduled/incremental backups	✓ !	✓ !	✓ !
Point-in-time recovery	✓	✓	✓
Monitoring	Percona Monitoring and Management	!	!
Load balancing	ProxySQL and HAProxy	MySQL Router	MySQL Router
Transport encryption	✓	✓	✓
Data At Rest Encryption	✓	!	
RedHat® OpenShift® certified	✓	!	!

Server Features | Backup Features | Components | Monitoring and Management | Kubernetes Operators | DBaaS | Support and Services

	Percona Everest (Alpha stage)	Not available	Oracle Enterprise Database Services
On-premises/ hybrid	✓	Available via third-party cloud providers	!
Cloud	✓	Available via third-party cloud providers	Oracle Cloud Infrastructure

Server Features | Backup Features | Components | Monitoring and Management | Kubernetes Operators | DBaaS | Support and Services

	Percona for MySQL	MySQL Community	MySQL Enterprise
Post-EOL support for MySQL 5.7	✓	!	!
Multi-database support	✓	Available with third-party vendors like Percona	!
Managed services	✓	Available with third-party vendors like Percona	✓
Tech-agnostic consulting	✓	Available with third-party vendors like Percona	!

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Check out our **Percona for MySQL** 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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