

Migrate Databases with Confidence:

How Percona Ensures Success

Database migrations are complex

Migrating databases can be a complicated and difficult task. Whether transitioning from one database system to another or simply upgrading to a newer version of the same, organizations must carefully manage a range of technical, operational, and organizational issues.

- **Data integrity:** Preserving data integrity becomes increasingly complex as the volume of data grows, requiring data validation and quality assurance processes throughout the migration.
- **Compatibility:** Differences in database engines (such as from MySQL to PostgreSQL) can lead to discrepancies in data types, indexing, and stored procedures.
- **Downtime:** Migrations frequently entail a phase during which a database is inaccessible, and minimizing downtime demands careful planning and often the use of specialized tools or techniques.
- **Performance tuning:** The target database might not automatically provide the same performance characteristics as the original, requiring a thorough review and adjustment of configurations, indexes, and queries.
- **Security concerns:** Migrations can create a window of vulnerability that could be exploited. Ensuring that the new database is properly configured and that data is encrypted during transfer is critical.
- **Time and resource constraints:** In-house database migration can take up significant time and personnel

Migrate your databases with Percona

Trusted by startups and global enterprises alike, Percona excels at performing smooth migrations to open source databases. Our comprehensive services and support ensure uninterrupted performance, minimal disruption, and significant cost savings, as highlighted by our successful collaboration with Patreon:

Percona helped Patreon migrate from a proprietary DBaaS to Percona Server for MySQL, one of our open source enterprise-grade MySQL softwares, enabling Patreon to save more than 50% on its infrastructure costs. The financial savings realized by moving are so dramatic that even after including Percona Managed Services and Support costs, Patreon spends far less on combined services and infrastructure than they did on just infrastructure.

Percona Services and Support: Your trusted partner in database migrations

The Percona Migration Team provides a cohesive, end-to-end solution, reflecting our commitment to optimizing every facet of your migration. Specializing in MySQL, MongoDB, PostgreSQL, and MariaDB migrations, architecture optimization, performance tuning, and security, the team offers advice and support from experts who understand the intricacies of database systems and migrations, from pre-planning to implementation to post-migration optimizations.

At the heart of our migration framework is our 24/7, industry-leading SLA-backed support. From ensuring your new environments are performing optimally to adapting swiftly to your unique needs, our expert support team stands ready to address any challenges that arise during your migration, ensuring any issues can be quickly and effectively resolved, minimizing downtime, and reducing internal resource strain.

Choosing Percona for database migrations offers a blend of expert guidance, support, and services designed to ensure a stable transition, optimal performance, and enhanced security for your database systems. However, we don't just stop there. Percona also offers training and managed services because a successful migration doesn't necessarily end with just the physical move. Our training programs are designed to elevate your team's proficiency, and Percona Managed Services provides comprehensive database management that can include proactive monitoring, performance optimization, and regular maintenance, mimicking an in-house team of DBAs aimed at lowering ownership costs and enhancing your team's capabilities.

With our customized solutions and expert advice, the Percona Migration Team is committed to making your move to open source databases smooth and effective, setting the foundation for future growth, performance, and resilience.



When it came time for a more complex MySQL upgrade and infrastructure re-organization, Percona was the obvious choice. They performed a full system analysis, plotted our best path forward, and implemented the changes without any issues. We won't hesitate to call on Percona for our future database projects.



Kyle Thielk
Technical Co-Founder, Time To Pet

Your path to a smooth migration

Percona's migration strategy delivers a comprehensive range of services and support, extending from pre-migration planning through the migration itself and continuing into post-migration optimization, ensuring that organizations receive expert guidance at every step. Through assisting thousands of companies in migrating their databases across both on-premises and cloud environments, Percona has refined a migration process that prioritizes stability, performance, and minimal disruption.

Here's our migration framework:



Pre-migration

- **Planning:** This initial phase involves a thorough identification of both business and technical requirements, ensuring that the migration aligns with your organization's objectives and infrastructure needs.
- **Compatibility testing:** Percona sets up a test environment, migrates test data, and conducts rigorous testing to guarantee that the migrated database behaves as expected, maintaining integrity and functionality.
- **Documentation:** The migration plan is meticulously documented, detailing the proposed architecture and outlining the necessary changes for production deployment, ensuring clarity and preparedness.

During migration

- **Production configuration:** This stage focuses on preparing the production environment, migrating data to the new system, and performing comprehensive testing and validation to ensure everything operates smoothly.
- **Production cutover:** Percona provides expert assistance during the critical transition to the new environment, ensuring a smooth cutover with minimal impact on production traffic.

Post-migration

- **Tuning and optimization:** Percona experts analyze the migrated database's performance to identify bottlenecks or inefficiencies, providing recommendations and adjustments to database configurations, query optimizations, and index strategies to enhance performance.
- **Implement an observability solution:** State-of-the-art monitoring tools that provide real-time insights into the database's performance, resource utilization, and operational metrics.
- **Dedicated support:** Percona offers ongoing support services with experts for any post-migration questions or issues that arise. This includes troubleshooting and updates.
- **Availability of training:** Tailored training sessions are available for your team to help them understand and efficiently manage the new database environment, including best practices and performance tuning.

Key benefits of Percona's migration strategy:

Expertise: Gain access to database experts with extensive experience in handling unique setups, plugins, and add-ons, ensuring a tailored migration experience.

Detailed plans: Receive comprehensive migration plans detailing findings, processes, and steps for a successful transition to production with minimal operational impact.

Minimized downtime: Percona's expert supervision during migrations ensures continuous, reliable database operations throughout the transition.

Optimized performance: Implement an advanced observability solution to monitor the health and performance of your new database infrastructure, facilitating performance improvements.

Future-proof: Percona addresses your current migration needs and positions databases for future scalability and adaptability.

With Percona, migrating to an open source database not only translates to significant cost savings but also grants you freedom from vendor lock-in, operational efficiency, and strategic flexibility. Our extensive experience, backed by our track record of successful migrations, ensures that your transition is smooth and beneficial across all fronts. Whether it's a single project or ongoing support, we're committed to providing a flexible solution for your business needs.

Let us help you navigate the complexities of database migration so you can reap the benefits of open source – without the hassle.

[Learn more about how Percona can guide your migration to open source](#)



Contact Us

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