Percona Monitoring and Management 3.7.0

Release date: April 1st, 2026

Percona Monitoring and Management (PMM) is an open source database monitoring, management, and observability solution for MySQL, PostgreSQL, MongoDB, Valkey and Redis. PMM empowers you to:

- monitor the health and performance of your database systems
- identify patterns and trends in database behavior
- diagnose and resolve issues faster with actionable insights
- manage databases across on-premises, cloud, and hybrid environments

📋 Release summary

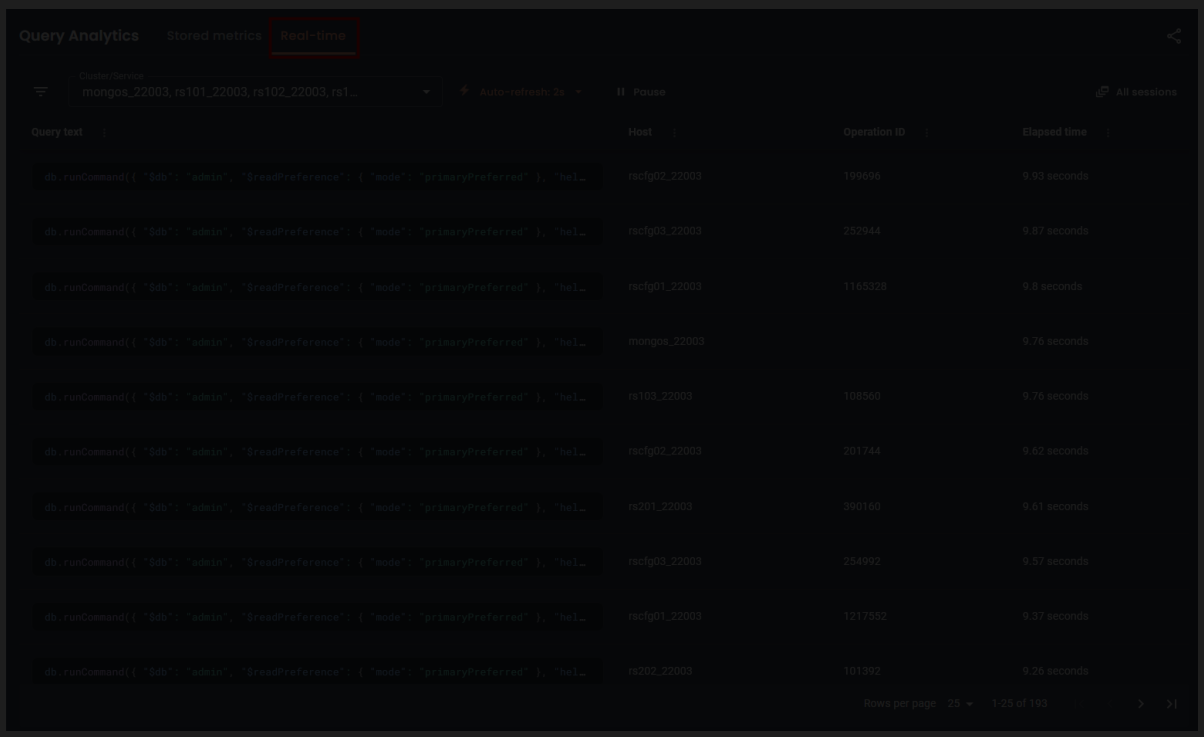
PMM 3.7.0 introduces Real-time Query Analytics (RTA) for MongoDB, completes the Percona Platform removal, and adds the `pmm-admin inventory change agent` command for updating MongoDB agents on the fly.

This release also brings optional PMM Client config file encryption, component upgrades, security fixes, dashboard improvements, and multiple bug fixes across QAN, alerting, and monitoring.

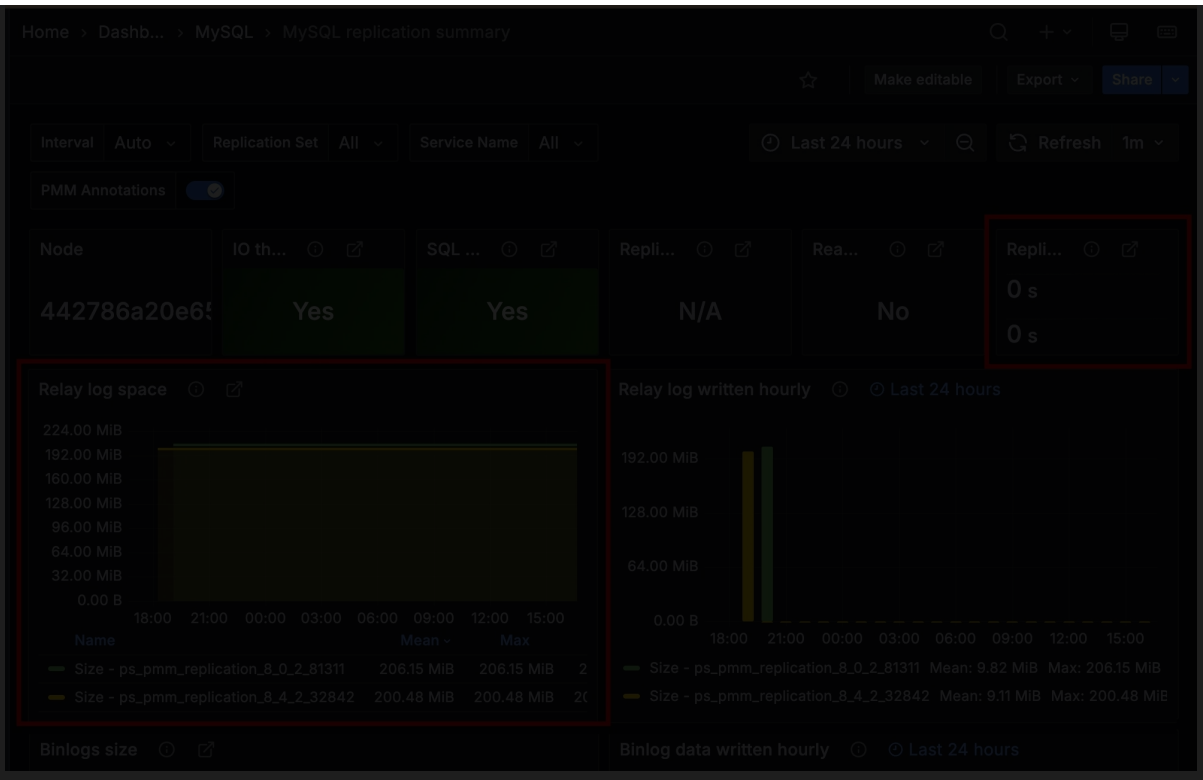
database is struggling, you can immediately see what's causing the problem.

With a live stream updated every 1-5 seconds, RTA lets you spot long-running queries, identify lock contention, and investigate problematic operations as they happen. You can pause the stream, filter by cluster or service, and access raw MongoDB diagnostics for deeper troubleshooting.

To get started, go to **Query Analytics > Real-Time** and select a MongoDB service:



RTA currently supports **MongoDB only**. Support for **MySQL** and **PostgreSQL** is planned for future releases.



Change MongoDB monitoring settings on the fly from the command line

When managing services from the command line, you no longer need to remove and re-add a service just to change an agent setting.

PMM 3.7.0 introduces the `pmm-admin inventory change agent` command, which lets you update a running agent's configuration directly by its ID. Only the flags you pass are updated, and changes take effect immediately with no monitoring gaps.

You can now encrypt the PMM Client configuration file (`pmm-agent.yaml`) to protect sensitive credentials like server passwords and API tokens on disk.

To enable encryption, generate an RSA private key and pass it to PMM Client during setup. PMM Client then handles encryption and decryption automatically. Existing deployments without an encryption key continue to work as before.

For setup instructions, see PMM Client configuration file encryption.

Percona Platform connectivity removed

As announced in PMM 3.5.0, Percona Platform services are now discontinued.

With PMM 3.7.0, there's no longer any connection to Percona Platform in the UI or API. Since your advisors and alert templates now ship directly with PMM, everything will continue working exactly as before, you just won't see any Platform-related options anymore.

This also means you can no longer sign into PMM using your Percona Account. If you used this login method, switch to a different authentication method such as basic auth, LDAP, OAuth, or SAML.

Added support and deprecations

Deprecated PMM Server upgrades from the UI

Starting with PMM 3.9.0 (expected July 2026), you will no longer be able to upgrade PMM Server from the web interface.

PMM Server OVF virtual appliance images are deprecated and will no longer be available after PMM 3.9.0 (expected July 2026).

Existing OVF-based deployments will keep working, but new OVA images will not be available after PMM 3.9.0. Make sure you migrate to a supported deployment method before then:

- **Docker (recommended)**: simplified deployment and updates
- Podman: rootless container execution with enhanced security
- Kubernetes/Helm: scalable container orchestration

Direct migration from PMM 2.x deprecated

If you're still running PMM 2.x, now is the time to migrate. Starting with PMM 3.8.0, direct migration to the latest PMM 3.x version will be deprecated and may not work as expected.

If you migrate after PMM 3.8.0 and run into issues, you can still use PMM 3.7.0 as a stepping stone since this is the last version where we've fully tested migration from PMM 2.x:

```
PMM 2.x > PMM 3.7.0 > latest PMM version
```

However, this two-step path will only be available through PMM 3.12.x. After PMM 3.13.0 (expected January 2027), you will no longer be able to migrate from PMM 2.x at all.

If you are still running PMM 2.x, migrate PMM 2 to PMM 3 now.

🔒 Security updates

PMM 3.7.0 fixes the following security vulnerabilities:

Authenticated remote code execution via internal data source (CVE-2026-25212)

Resolved a vulnerability where an authenticated user could execute OS commands on the PMM Server through an internal PostgreSQL data source.

Go standard library vulnerabilities

Updated Go dependencies to address the following vulnerabilities:

- Unexpected TLS session resumption (CVE-2025-68121)

  A TLS server could incorrectly resume sessions, potentially allowing a client to bypass certificate requirements. This issue is now fixed.

- Memory exhaustion via crafted query parameters (CVE-2025-61726)

  Crafted query parameters in net/url could cause excessive memory allocation, leading to denial of service. This is now fixed.

- CPU exhaustion via crafted zip archives (CVE-2025-61728)

  Building the index for a specially crafted zip archive could consume excessive CPU. This is now fixed.

Client configuration file.

- PMM-14831: Added `mongodb_currentop_fsync_lock_state` metric to detect when MongoDB is locked for backup or maintenance. Returns `1` when locked, `0` when unlocked. Enable with `--enable-all-collectors` when adding the service. Query in **Explore** or use in custom dashboards and alerts.
- PMM-14412: Added `pmm-admin inventory change agent` command to update MongoDB agent configurations without removing and re-adding services.
- PMM-14722: Added a low-memory ClickHouse configuration for PMM Server environments with less than 16 GB RAM. If you see “memory limit exceeded” errors in ClickHouse logs or experience performance issues when working with QAN, you can switch to the optimized configuration using the `switch-config.sh` script. See ClickHouse memory issues for details.
- PMM-14818: Improved performance for PostgreSQL instances with many databases (multitenant designs). The `pg_custom_database_size_custom` query now runs at low resolution (60 seconds by default) instead of high resolution (5 seconds). This significantly reduces CPU usage on servers with hundreds of databases.
- PMM-759: Improved the **Replication Delay** and **Relay Log Space** panels on the **MySQL Replication Summary** dashboard.
- PMM-14700: Advisor checks now only run for database types present in your inventory. Previously, all checks executed regardless of your actual setup. For example, MongoDB checks no longer run if you only had PostgreSQL services configured. This keeps your results focused and reduces resource usage.
- PMM-14824: Removed the `/v1/platform:connect` API endpoint as part of the Percona Platform sunset. Requests to this endpoint now return 404.

viewing query details.

- PMM-14363: **Mountpoint** on the **Disk Details** dashboard are now shown in gigabytes (GB) instead of bytes, making it easier for you to read and interpret large values.

✅ Fixed issues

- PMM-14267: PMM would stop collecting RDS metrics after restarting `pmm-agent`. Restarting the agent no longer interrupts metrics collection.
- PMM-14376: Fixed alerts continuing to fire after removing a service or node from PMM inventory. Alerts now correctly check inventory before triggering, preventing false positives.
- PMM-14790: Fixed **MongoDB Replset Summary** dashboard so that the **Operation Latencies**, **Query Efficiency**, **Queued Operations**, **Read & Writes**, and **Average Connections** panels now show data broken down by service name when **All** is selected.
- PMM-9602: Fixed `runtime_mysql_servers` collection errors when monitoring ProxySQL with a non-admin user. PMM now skips runtime server metrics collection when the user lacks the required permissions.
- PMM-14549: Fixed several panels on the **MySQL MyRocks Details** dashboard that were missing labels identifying each metric series.
- PMM-14822: Fixed navigation issues that occurred when Grafana anonymous access (`auth.anonymous` in `grafana.ini`) was enabled, including missing menu items and search bar inconsistencies.

- PMM-14843: Fixed “Failed to render panel image” error when generating images from dashboard panels. The **Share > Generate image** option on panel’s menu now works correctly with the Grafana image render plugin.
- PMM-14833: Fixed alert templates with the `tiers` field failing to save. The `tiers` field was part of Percona Platform integration and stopped working after Platform connectivity was removed in PMM 3.6.0. Templates now save correctly, the field is accepted but ignored and will be removed in PMM v4.
- PMM-14761: Fixed Query Analytics triggering duplicate API requests when opening the page or refreshing. This reduces server load and improves response times.
- PMM-14566: Fixed Query Analytics loading significantly slower in PMM 3 than PMM 2.
- PMM-14512: Fixed **BP Data Dirty** panel on the **InnoDB Buffer Pool** dashboard not displaying data after upgrading from PMM 2.x to 3.x.
- PMM-12478: Fixed external services incorrectly showing “Failed” monitoring status in PMM Inventory when they were working correctly.
- PMM-14801: Fixed PostgreSQL exporter crash when monitoring GCP Cloud SQL PostgreSQL 13 and 14 instances.

🚀 Ready to upgrade to PMM 3.7.0?

- New installation
- Upgrading from PMM 3
- Upgrading from PMM 2