

TangoDatabase: Latest Developments

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9th June 2026

Plans from the last talk¹

- ▶ ~~Issue 51: Dropping support for MySQL~~ Not yet
- ▶ ~~Tango Tickets #69: Support for multiple database backends (MariaDB, PostgreSQL and SQLite)~~ MR from Damien Lacoste (ESRF)
- ▶ RFC-buggy: Remove naming violations with respect to the Tango RFC **Work In Progress**

¹37th Tango Meeting 2023 at Jodrell Bank, see <https://indico.tango-controls.org/event/57/contributions/808/>

What were we up to???

- ▶ Releases² : 5.23, .24, .25, .26, .27, .28, .29
- ▶ Main focus:
 - ▶ CI on Linux/Windows/macosx, coverage at 74%, up from 20%, using OCI images³
 - ▶ Resolving technical debt regarding database support (transaction restarting, stricter SQL table format fixes, automatic reconnection deprecation)
 - ▶ Bugfixes: Use database transactions in more cases, remove legacy C usage (strcpy, strcat, atoi), fix ASAN bugs (segfaults!), remove some manual memory management

²See https://gitlab.com/tango-controls/TangoDatabase/-/blob/main/RELEASE_NOTES.md?ref_type=heads

³<https://gitlab.com/tango-controls/gitlab-ci-templates/#cppgitlab-ciyaml>

Goals for 5.30⁵

- ▶ Input sanitization to completely remove SQL injections (~100 Tango commands)
- ▶ Starting the removal of DbMySQLSelect⁴
- ▶ Fix SQL schema bugs

⁴Get prepared that this will be gone completely.

⁵<https://gitlab.com/tango-controls/TangoDatabase/-/milestones/7#tab-issues>

Contributors⁶

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⁶`git shortlog --since=2023-06-30 -n -s | tac`

Questions ?