

# Bilko CI — integration-test job (Testcontainers) MC #102843 — 2026-06-03

## Summary

MC #102843 adds an `integration-test` job to Bilko's `.github/workflows/ci.yml`. Previously the `backend-test` job ran only `./gradlew test`, and `tasks.test` does `excludeTags("integration")` (`apps/api/build.gradle.kts:159`) — so the `integrationTest` task (Testcontainers/Postgres, `includeTags("integration")`) **never ran in CI**. PRs that broke integration tests passed green (surfaced manually by Proveo during MC #102798).

## Change (PR #245, base main, not merged)

- New `integration-test` job: ubuntu-latest, Java 21, `./gradlew integrationTest --no-daemon` in `apps/api`. Testcontainers spins its own Postgres (no `services:` block needed).
- **Non-blocking for now** (`continue-on-error: true`, NOT in `build` `needs:`).

## Why non-blocking (important)

Running the suite revealed it is **currently broken on main: ~78/1147 integration tests fail** (FlywayMigrateException in SettingsServiceRIsTest, ExposedSQLException in VatReportStatutoryGroupingTest, and others). These had never run in CI. Making the job a required gate immediately would red-lock every PR. So the job is **visible on every PR** (failures now surface) but does not block merges yet.

## Path to required gate

Tracked in **MC #102874** (H): fix the 78 failing integration suites. Once green, promotion is a one-line CI change — remove `continue-on-error: true` and add `integration-test` to `build` `needs: [lint, unit, backend-test, integration-test]`.

## Verification

- CI run **26900887524**: `integration-test` job executed; log shows `Task :integrationTest`, 1147 tests / 78 failed, Testcontainers Postgres started.
- yamllint PASS, actionlint PASS, gitleaks 0, diff = `ci.yml` only.
- Independent pre-verifier (Company Mesh / Proveo): **PASS** — `mesh-thr-8f34975b-a1ef-4d99-8bd8-cd9f894a022a`.
- til-done: **DONE** — `/tmp/til-done/102843-20260603T172857Z.json`.

## Incident (logged, low severity)

During implementation a build branch was accidentally pushed to `origin/main` (commit `ecf5a97`) and immediately reverted (`036e2c6`). It triggered `bilko-stage-auto-deploy` twice; both SUCCESS, change was `ci.yml`-only (no app artifact change), stage is non-customer-facing. `origin/main` verified clean afterwards. Lesson recorded: build agents must `git push -u origin HEAD:<branch>` and verify upstream  $\neq$  origin/main (push to Bilko main auto-deploys stage).

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