

MC 106881 — Stripe Webhook Fail-Closed Closure

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Outcome

Azure PR **326** completed successfully. Exact reviewed source commit

94ba3da9ef2c03fbf9ed876598e41011b028383d merged to canonical `main` as

4a212f44bcf6eefd85b8d1d1c4435ec7bc89df5 after Azure build **1025** and its blocking policy passed.

Fail-closed contract

The Stripe webhook route now rejects unauthenticated or unverifiable input before body parsing, database access, or plan-tier side effects:

- missing or blank `Stripe-Signature` → HTTP 400, `SIGNATURE_MISSING`
- present signature with missing or blank `STRIPE_WEBHOOK_SECRET` → HTTP 503, `WEBHOOK_NOT_CONFIGURED`
- invalid signature with configured secret → HTTP 400, `SIGNATURE_INVALID`
- genuine Stripe-SDK-signed event → HTTP 200 plus persisted `stripe_webhook_events` audit row

Both Gradle test tasks receive a synthetic test-only Stripe secret. The missing-secret test removes and restores it for its own scope through the shared test utility.

Verification

- Azure build 1025: all eight jobs succeeded.

- Stripe webhook classes: **26/26 Passed** — 6 fail-closed, 1 genuine happy path, 15 HTTP integration, 4 P2.
- Full unit suite: 1,903 tests with exactly five inherited baseline failures and zero unreviewed failures.
- Full integration suite: 2,191 tests with 87 inherited baseline failures and zero unreviewed failures; no baseline growth.
- D8 mutation proof: deliberately inverting T7 is caught as a new blocking failure.
- Detekt executed without build cache; Trivy and Gitleaks passed; Kover XML was non-empty.
- Independent Redžo review: PASS, P0=0, P1=0.

Operational follow-up

MC **#106977** separately tracks alerting when fail-closed is entered, Stripe Events-API reconciliation/backfill, and empty-vs-unset secret distinguishability. It was intentionally not a merge blocker. The unrelated web Docker `next build` memory exhaustion is tracked under MC **#104886**; no deployment is claimed by this closure.

Durable evidence

- `/Users/makinja/system/evidence/106881/pr-326-completed.json`
- `/Users/makinja/system/evidence/106881/pr-326-final-premerge-gate.json`
- `/Users/makinja/system/evidence/106881/build-1025-stripe-test-results.json`
- `/Users/makinja/system/evidence/106881/build-1025-kover-artifact-proof.txt`
- `/Users/makinja/system/evidence/106881/final-independent-redzo-review-94ba3da9.json`
- `/Users/makinja/system/evidence/106881/d8-empirical-carveout-proof-2026-08-10.txt`

Revision #1

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