

Express Deletion

Express Deletion (MC #10493)

CEO directive: "Express je tvoj bug, brisi" — 2026-05-02

PR: [#39](#)

Status: DONE (merged 2026-05-02)

Outcome: 141 api-express files deleted, 415 npm packages deregistered

Context

Bilko had dual backends for 3 months post-Kotlin migration:

- `apps/api-express/` (12 routes, 9 services, Node.js/TypeScript)
- `apps/api/` (Kotlin/Ktor, Exposed ORM, Flyway migrations)

Stage environment: Running Kotlin (`bilko/api:stage-1f48fdc`)

Prod environment: STILL running Express (`bilko-api` on Cloud Run, digest `2986d8b0...`, port 4000)

CEO decision 2026-05-02: Kotlin is canonical. Express is deprecated. Delete immediately.

Actions Taken

1. **Branch created:** `feat/bilko-kill-express`
2. **Directory deleted:** `rm -rf apps/api-express/`
3. **Workspace cleanup:** Updated `package.json` workspaces (removed `apps/api-express`)
4. **Docs updated:**
 - `CLAUDE.md` — removed Express backend description
 - `BUILD-BLUEPRINT.md` — removed Express references
5. **CI verification:** `turbo.json` and `cloudbuild.yaml` had ZERO Express references (no changes needed)
6. **Cloud Run verification:** Stage `bilko-api-stage` confirmed Kotlin-safe (revision `stage-1f48fdc`)
7. **Package install test:** `npm install` → exit 0 (no broken workspace refs)

PR Details

URL: <https://github.com/johnatbasicas/bilko/pull/39>

Commit: `2c63cdb`

Files changed: 141 deletions

Packages removed: 415 npm dependencies

Merge: Squash-merged 2026-05-02 08:51:17 UTC

Root Finding: PROD Still on Express

During Cloud Run inventory (MC #10493 verification by kelsey-hightower):

Stage API (`bilko-api-stage`):

- Image: `bilko/api:stage-1f48fdc` (Kotlin)
- Port: 4001
- Healthy

Prod API (`bilko-api`):

- Image digest: `sha256:2986d8b0...` (Express container)
- Port: 4000
- **Still serving Express backend**

Implication: Deleting `apps/api-express/` from git does NOT affect prod — prod is running a stale container image. Prod cutover requires separate deployment action.

Followup: MC #10502 (PROD CUTOVER) — H priority, BLOCKER for TD-3 per DEPLOY-MAP.md

Side-Effect: Web Dockerfile Broke

Discovered: 2026-05-02 by kelsey-hightower during MC #10494 deploy verification

Root cause: `apps/web/Dockerfile` contained:

```
COPY apps/api-express/package.json ./apps/api-express/
```

This line was used for web build dependency extraction. When PR #39 deleted `apps/api-express/`, the COPY directive failed:

```
Step 8/24 : COPY apps/api-express/package.json ./apps/api-express/
ERROR: failed to compute cache key: "/apps/api-express/package.json" not found: not found
```

Impact: Web Cloud Build pipeline failed for 3 consecutive builds (regression window: PR #39 merge → PR #41 fix)

Fix: PR #41 (MC #10505) — removed single line from `apps/web/Dockerfile`

Verification

Tested by:

- **codecraft** — codebase integrity (no dangling imports)
- **kelsey-hightower** — Cloud Run service state

Evidence directory: `/tmp/evidence-10493/`

Smoke tests:

- Stage API health: `curl https://bilko-api-stage-dh4m46blja-lz.a.run.app/api/v1/health` → HTTP 200, Kotlin response shape
 - Web build: Cloud Build ID `b3bbde85` SUCCESS (post-PR #41 fix)
 - Package install: `npm install` exit 0, no workspace errors
-

Docs Cleanup

Files updated in PR #39:

`CLAUDE.md`

Before:

```
Backend: Express (apps/api-express/) – 12 routes, 9 services
Migration: Kotlin in progress (apps/api/)
```

After:

Backend: Kotlin/Ktor (apps/api/) – canonical since 2026-05-02

BUILD - BLUEPRINT .md

Before:

- Express API (Node.js/TypeScript)
- Kotlin API (migration target)

After:

- Kotlin/Ktor API (canonical)
- Note: Express deleted 2026-05-02 per ADR-021 package rename + CEO directive

Open Items

1. PROD Cutover (MC #10502)

Blocker: TD-3 per DEPLOY-MAP.md

Action required: Deploy Kotlin container to prod `bilko-api` Cloud Run service

Risk: Prod still on Express means any regression fix in Kotlin (e.g., MC #10494 registracija) does NOT reach prod users

Priority: H

2. Cloud Build API Pipeline

Current state: `cloudbuild.yaml` deploys web only (no Kotlin API build/deploy)

Risk: Kotlin code changes have no CI gate; manual deploy only

Followup: MC #10498 (Arch roadmap — Kotlin CI pipeline)

References

MCs:

- MC #10493 — Express deletion (this page)
- MC #10502 — PROD CUTOVER (open, H priority)
- MC #10505 — Web Dockerfile regression fix

PRs:

- [#39](#) — Express deletion
- [#41](#) — Web Dockerfile fix

Evidence:

- `/tmp/evidence-10493/` — postflight artifacts
 - DEPLOY-MAP.md — Cloud Run service inventory
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Revision #2

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