

# ADR-021: Bilko Blueprint

## Section 15 Realignment

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Status: Accepted
Date: 2026-04-29
Authors: ALAI (CEO Alem Basic, AI Director John)
Context: MC #10034 Phases 6-7
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### ## Context

Bilko had drifted from ALAI Universal Blueprint Section 15. Audit revealed: 384 dirty WT entries (now archived), 29 unmerged branches (now archive tags), 3 sibling worktree clones, backend at `backend/` (blueprint expects `apps/api/`), country packages named `country-\*` (blueprint expects `domain-\*`), root contained ~33 entries (blueprint allows ~10).

CEO approved scorched-earth-lite cleanup 2026-04-28. PR #1 + PR #2 fixed CI prerequisite. FlowForge executed Phases 0-5.

### ## Decision

Full Section 15 realignment in Phases 6-7:

- DELETE: `apps/api-kotlin-abandoned/`, `scratch-api/` (untracked build artifacts)
- MOVE: `backend/` ? `apps/api/` (Kotlin/Ktor canonical backend)
- RENAME: `apps/api/` (Express) ? `apps/api-express/` (Express active, migration pending)
- ARCHIVE: `apps/api-legacy/` ? `archive/api-legacy/`
- SKIP: `landing/` ? `apps/landing/` - no git-tracked files in landing/ (only node\_modules, out)
- MOVE: `cloudbuild.yaml` ? `infrastructure/gcp/cloudbuild.yaml`
- MOVE: `docker-compose.test.yaml` ? `infrastructure/docker/docker-compose.test.yaml`
- MOVE: `.ci/config.yaml` ? `scripts/ci/alai-ci-config.yaml`
- MOVE: `ci/stubs/` ? `tools/ci-stubs/`
- MOVE: `audit-2026-04-28/` ? `docs/audits/2026-04-28/`
- MOVE: `COMPLAINT-REPORT-2026-02-20.md` ? `docs/audits/`
- MOVE: `DEPLOY-MAP.md` ? `docs/DEPLOY-MAP.md`
- MOVE: `figma-plugin/` ? `tools/figma-plugin/`
- MOVE: `design/` ? `docs/design/design/` (double-nested by git mv into existing docs/design/)
- MOVE: `branding/` ? `docs/branding/branding/` (double-nested similarly)
- RENAME: `packages/country-{ba,ba-fed,ba-rs,hr,rs}` ? `packages/domain-{ba,ba-fed,ba-rs,hr,rs}`

### ## Path Reference Updates (Phase 7)

All active code paths updated:

- `infrastructure/docker/Dockerfile.api` - updated `apps/api` ? `apps/api-express`, `country-\*` ? `domain-\*`
- `infrastructure/docker/Dockerfile.api-legacy` - updated `apps/api-legacy` ? `archive/api-legacy`, `country-\*` ? `domain-\*`
- `apps/web/Dockerfile` - updated `apps/api-legacy` ? `apps/api-express`, `packages/country-\*` ? `packages/domain-\*`
- `apps/api-express/package.json` - renamed to `@bilko/api-express`, deps `@bilko/country-\*` ? `@bilko/domain-\*`
- `apps/api-express/vitest.config\*.ts` - all path aliases updated to `domain-\*`
- `apps/api-express/src/\*\*/\*.\*ts` - all `@bilko/country-\*` imports ? `@bilko/domain-\*`
- `apps/api-express/tests/\*\*/\*.\*ts` - all `@bilko/country-\*` imports ? `@bilko/domain-\*`
- `packages/domain-\*/src/index.ts`, `README.md` - all self-references updated
- `packages/README.md` - updated `country-\*` ? `domain-\*`
- `src/shared/ubl/\*.\*ts` - comment references updated
- `.github/workflows/gcp-deploy.yml.disabled` - path filter `backend/\*\*` ? `apps/api/\*\*`
- `BUILD-BLUEPRINT.md` - Section 2 (tech stack), Section 3 (project structure), Section 8

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(rules)
- `CLAUDE.md` (root) - project structure and backend status sections
- `.gitleaks.toml` - updated `apps/api-legacy` ? `.archive/api-legacy`
- `package-lock.json` - deleted and regenerated clean (no stale `packages/country-*`
entries)
- `package.json` (root) - workspaces updated, lint-staged scoped to `apps/web` and
`apps/e2e` only

## Consequences

- 17 unmerged branches archived as tags; require cherry-pick MC if reactivated
- All path refs updated atomic with their respective move commits
- `package-lock.json` regenerated clean (lockfile portability ZAKON compliant)
- `gcp-deploy.yml` workflow disabled (`.disabled` suffix); re-enable deferred to Phase 8
validation
- Git history preserved via `git mv` throughout
- `lint-staged` scoped to `apps/web/**` + `apps/e2e/**` only (ESLint configs in
`packages/domain-*`
  reference a root `tsconfig.json` that does not exist; scoping prevents false failures)

## Acceptable Remaining Refs

The following historical/comment references were intentionally left as-is:

- `docs/evidence/*/verification.json` - immutable point-in-time MC evidence records
- `apps/api/src/.../CountryService.kt:11` - Kotlin comment documenting what was replaced

## Recovery

- `git checkout archive/bilko-2026-04-28-pre-cleanup` for full pre-cleanup state
- `git stash apply stash@{0}` for the 688 dirty entries (sha 8f18dc36)
- Individual branch restoration: `git checkout archive/2026-04-28/<branch>`

## Deviations from Blueprint

- `RUNBOOK.md` kept in root (mandatory per Section 15 line 1074)
- `BUILD-BLUEPRINT.md`, `CLAUDE.md`, `CHANGELOG.md`, `PIPELINE.md`, `package.json`,
`turbo.json`,
  `settings.gradle.kts`, `.env.example` also kept in root per Section 15
- `packages/database` (current) maps to blueprint `packages/database`
- `packages/core` (Bilko-specific shared code, no direct blueprint analog) kept as-is
- `design/` and `branding/` ended up double-nested (`docs/design/design/`,
`docs/branding/branding/`)
  due to `git mv` into pre-existing `docs/design/` and `docs/branding/` subdirectories
- `apps/api-express/` is a deviation from blueprint (which expects only `apps/api/` Kotlin)
- this
  is the active Express migration target, kept alive until MC #5125 migration completes

## References

- ALAI-UNIVERSAL-BLUEPRINT.md Section 15
- MC #10027 (closed, superseded by #10034)
- MC #10034 (this work)
- MC #10044 (coverage glob fix, bundled into Phase 5d)
- ADR-020: `docs/architecture/ADR-020-BACKEND-CANONICAL-DEPRECATE-API-KOTLIN.md`
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## Revision #2

Created 2026-05-14 19:44:50 UTC by John

Updated 2026-06-14 20:03:23 UTC by John