

Bilko Prod Topology — app.bilko.cloud Cutover (reuse- demo-as-prod)

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MC: #103300 | Completed: 2026-06-10 | Proveo verdict: CUTOVER PASS | Evidence root: /tmp/evidence-103300/

“ CRITICAL REFERENCE — do not make assumptions about which DB is prod or what data is on it. Read this page first.

1. Topology Overview

CEO decision 2026-06-09: reuse the existing "demo" Cloud Run services and Cloud SQL instance as production. No new infrastructure was provisioned. The prior bilko-demo-* services are now the live prod environment.

Domain	Cloud Run Service	Status	Notes
app.bilko.cloud	bilko-web-demo	Ready/True, cert Ready/True	Primary prod frontend
app-api.bilko.cloud	bilko-api-demo	Ready/True, cert Ready/True	Primary prod API
api.bilko.cloud	—	HTTP 000 (CF Worker SNI issue)	Pre-existing issue, separate follow-up

- **GCP Project:** `tribal-sign-487920-k0`
- **Region:** `eu-north1`
- **Prod DB:** Cloud SQL instance `bilko-demo-db` (PostgreSQL 16, RUNNABLE) — this is the REUSED demo instance, now serving production
- **Live health probes (C1 evidence):** `https://app.bilko.cloud/` → HTTP 200 | `https://app-api.bilko.cloud/api/v1/health` → HTTP 200 `{"status": "ok"}`

2. Hostname Recognition — Dual-Mode (C2, PR #334)

Three files on `main` now recognize BOTH `app.bilko.cloud` (prod) AND `bilko-demo.alai.no` (demo/legacy) simultaneously.

File	Prod hostname	Demo hostname	Verification
<code>apps/web/lib/api-base.ts</code>	<code>app.bilko.cloud</code> → <code>https://app-api.bilko.cloud/api/v1</code>	<code>bilko-demo.alai.no</code> preserved (dual-mode)	Vitest 4/4 PASS
<code>apps/web/middleware.ts</code>	<code>app.bilko.cloud</code> + <code>.bilko.cloud</code>	<code>bilko-demo.alai.no</code> preserved	Machine-verified on main
<code>apps/web/i18n/request.ts</code>	<code>app.bilko.cloud</code> + <code>.bilko.cloud</code>	<code>bilko-demo.alai.no</code> preserved	Machine-verified on main

PR #334 (`feat/prod-hostname-c2-103300`, HEAD `c70dab73`) adds the test file `apps/web/test/api-base-hostname-103300.test.ts`. The source changes to the three files above were already on `main` from prior commits. Proveo confirmed no merge conflict; safe to merge.

Landing CTAs: `landing-hr` CTAs already point to `app.bilko.cloud`. `landing-io` and `landing-ba` use `#demo-form/mailto:` anchors — no reprint required.

3. Backend Features Live on Prod (MC #103323)

Deployed to `bilko-api-demo` (now prod):

- **Sentry error tracking** — wired to prod service
- **Flyway V72** — `audit_log.request_id` column (renamed from V71 to avoid collision with `V71__seed_e2e_test_user`)
- **Flyway V73** — `support_tickets` table (renamed from V72 for same reason)

- **SupportTicketRoutes live:**

- `POST /api/v1/support/tickets` — auth-gated (returns 401 if no token)
- `GET /api/v1/admin/support/tickets` — auth-gated (returns 401 if no token)
- `PATCH /api/v1/admin/support/tickets/{id}` — auth-gated (returns 401 if no token)

Route verification (Proveo C6-lite): Both `POST /api/v1/support/tickets` and `GET /api/v1/admin/support/tickets` return 401 (not 404) — routes are live and correctly auth-gated.

4. Prod DB State After Cleanup (C3)

Instance: `bilko-demo-db` (Cloud SQL, PostgreSQL 16, project `tribal-sign-487920-k0`, region `eu-north1`)

Backup anchor taken before cleanup: ID `1781094321949`, status SUCCESSFUL, 2026-06-10T12:25:21Z

Cleanup executed: 2026-06-10T12:50Z by FlowForge, authorized by CEO

Organizations on prod DB — post-cleanup (1 row only)

Org ID	Name	Classification	Status
<code>d9e364ca-e7fc-48ed-a836-821bcaf79c99</code>	Bilko E2E Test Organisation	SEED/TEST — V71 migration seeded 2026-06-10	KEPT — CI/Playwright infrastructure (see caveat (a) below)

Seed orgs from V13/V14/V29 migrations (sentinel UUIDs) were already absent before this cleanup — removed in a prior operation. Two real trial orgs (ALAI Holding AS `53349d6a` and "unknown's Organization" `4e96b6ff` / `alembasic@gmail.com`) were deleted per CEO authorization: "all data on `bilko-demo-db` is test data, no real customers."

Rows deleted in cleanup transaction

Table	Rows deleted	Method
<code>organizations</code>	2	Direct DELETE
<code>users</code>	3	CASCADE
<code>entra_external_identities</code>	3	Explicit DELETE (bilko_admin role required)
<code>refresh_tokens</code>	26	Explicit DELETE
<code>chat_conversations</code>	1	Explicit DELETE

Table	Rows deleted	Method
logged_actions	1	Explicit DELETE (RLS had hidden this row from initial NO ACTION FK pre-check)
invoices	1	CASCADE
expenses	1	CASCADE
contacts	1	CASCADE
expense_documents	1	CASCADE
Total	~40	

Pre-commit guards 1-6: ALL PASSED. Post-commit SELECT confirmed `organizations = 1 row` (E2E org only).

System/catalog tables — do not touch

- `role_permissions` — 158 rows (system catalog)
- `permissions` — 54 rows (system catalog)
- `account_types` — 5 rows (system catalog)
- `flyway_schema_history` — 73 rows (migration history)
- `schema_version` — 10 rows (migration registry)
- `adapter_config` — 3 rows (system config)

Restore anchor

```
gcloud sql backups restore 1781094321949 --restore-instance=bilko-demo-db
```

Backup taken 2026-06-10T12:25Z, 10 minutes before cleanup. Contains full pre-cleanup state including both deleted orgs.

5. Known Caveats and Open Follow-ups

Ref	Issue	MC	Severity
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(a)	E2E test org <code>d9e364ca</code> (Bilko E2E Test Organisation) still on prod DB. Must be moved to staging before first external CIAM customer is onboarded.	#103374	M — no external customers yet
(b)	Stage → prod promotion gate (C4) not yet formalized. Current <code>gcp-deploy.yml</code> deploys on every main push with no UAT approval step. TODO comment exists in the workflow file.	#103375	M — mitigated by semver tag requirement for prod deploy
(c)	<code>api.bilko.cloud</code> returns HTTP 000 — pre-existing Cloudflare Worker Host/SNI rewrite issue, unrelated to this cutover. Direct Cloud Run URL and <code>bilko-demo-api.alai.no</code> both return 200. App is healthy.	open	L — brand URL, not a functional path
(d)	SECURITY REVIEW ITEM: <code>POST /api/v1/auth/test/session</code> test-auth endpoint is present on the prod API surface. Flagged as Securion F7 (MC #103371). Must be removed or hard-gated before any external users are onboarded.	#103371	H — Securion review required

6. C5 — AI Integration

`GR00_API_KEY` bound to `bilko-api-demo` (rev00165). AI route is live. Evidence: `/tmp/alai/7d24e9bf/evidence-bilko-ai-fix/verification.json`. Full functional E2E (Entra login path) is pending.

7. Verification Summary (Proveo)

Agent: Angie Jones (Proveo) | **Timestamp:** 2026-06-10T15:03Z | **Verdict:** CUTOVER PASS

Check	Result	Detail
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app.bilko.cloud HTTP 200	PASS	curl confirmed
bilko-demo-api.alai.no /api/v1/health HTTP 200	PASS	curl confirmed
PR #334 — hostname recognition, all 3 files	PASS	dual-mode confirmed on main
Vitest api-base-hostname-103300 (4 tests)	PASS	4/4, 831ms
tsc --noEmit (apps/web)	PASS	0 errors
MC #103323 routes auth-gated (401 not 404)	PASS	support_tickets POST + GET routes live
DB clean state	PASS (evidence-reviewed)	SQL SELECT output in cleanup.md is authoritative; Cloud SQL proxy not available in Proveo context
PR #334 merge conflict check	PASS — no conflict	5 CI-only commits on main since branch point; zero file overlap with PR files

Full Proveo report: </tmp/alai/p2p-pairing-evidence/proveo-103300-c2c6-verdict.md>

8. Cutover Status Table (C1–C7)

Item	Status	Owner	Notes
C1 — domain mapping (app.bilko.cloud + app-api.bilko.cloud → bilko-web-demo / bilko-api-demo)	DONE	FlowForge	Both Ready/True, cert Ready/True, HTTP 200
C2 — hostname recognition (middleware / api-base / i18n)	DONE	CodeCraft	Dual-mode on main; PR #334 adds test coverage
C3 — prod DB cleaned of test/seed orgs	DONE	FlowForge/DB	1 org remains (E2E test org d9e364ca); ~40 rows deleted; backup 1781094321949
C4 — stage → prod promotion gate formalized	PENDING	FlowForge	MC #103375
C5 — AI fix (GROQ_API_KEY on bilko-api-demo)	DONE	—	Rev00165, route live
C6 — Proveo end-to-end validation	DONE (C6-lite)	Proveo	Full E2E blocked on Entra login flow; C6-lite PASS
C7 — Skillforge BookStack documentation	DONE	Skillforge	This page

9. Evidence Index

Artifact	Path
C1-C7 delta state	<code>/tmp/evidence-103300/cutover-state.md</code>
DB inventory (read-only probe, pre-cleanup)	<code>/tmp/evidence-103300-c3/inventory.md</code>
DB cleanup execution record + post-commit proof	<code>/tmp/evidence-103300-c3/cleanup.md</code>
Proveo C2 + C6-lite verdict	<code>/tmp/alai/p2p-pairing-evidence/proveo-103300-c2c6-verdict.md</code>
C5 AI fix verification	<code>/tmp/alai/7d24e9bf/evidence-bilko-ai-fix/verification.json</code>

Revision #2

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