

Bilko Stage Environment — Cloud Run Services (Phase 2)

Overview

MC: #10177 Phase 2 | **Deployed:** 2026-04-30 | **Git SHA:** 1f48fdc | **Status:** LIVE, healthy

GCP Project: tribal-sign-487920-k0 | **Region:** europe-north1

“ **WARNING — TD-3 PROD CUTOVER BLOCKER (MC #10241):** bilko-staging-db uses public IP (0.0.0.0/0 authorized network, requireSsl=false). Acceptable for stage only. MUST NOT be replicated to production. Production deploy is blocked until Cloud SQL private IP + VPC connector is configured.

Live Services

Service	URL	Image	Min/Max	Memory	Status
bilko-api-stage	bilko-api-stage	bilko/api:stage-1f48fdc	0/2	512Mi, CPU 1	LIVE
bilko-web-stage	bilko-web-stage	bilko/web:stage-1f48fdc	0/2	512Mi, CPU 1	LIVE

Full Artifact Registry prefix: europe-north1-docker.pkg.dev/tribal-sign-487920-k0/

bilko-api-stage Detail

Field	Value
Dockerfile	Dockerfile.api-kotlin (Kotlin/Ktor, port 4001)
JAVA_OPTS	HikariCP connection pool tuned
Cloud SQL	tribal-sign-487920-k0:europe-north1:bilko-staging-db via direct TCP 35.228.33.112:5432 (TD-2 + TD-3)

Field	Value
Secrets	bilko-staging-db-password, bilko-jwt-secret, bilko-jwt-refresh-secret, bilko-staging-field-encryption-key (NEW, ADR-014), bilko-staging-field-hmac-key (NEW, ADR-014)
SA	bilko-api-stage-sa@tribal-sign-487920-k0.iam.gserviceaccount.com
SA roles	cloudsql.client, secretmanager.secretAccessor
Smoke	GET /api/v1/health → 200 { "status": "ok", "service": "bilko-api", "version": "1.0.0" }
Revision	bilko-api-stage-00001-5x8 (100% traffic)

bilko-web-stage Detail

Field	Value
Dockerfile	apps/web/Dockerfile (Next.js 15)
NEXT_PUBLIC_API_URL	https://bilko-api-stage-dh4m46blja-lz.a.run.app/api/v1
NEXT_PUBLIC_APP_ENV	stage
Smoke	GET / → 200 (HTML, lang=sr-Latn)
Revision	bilko-web-stage-00001-c45 (100% traffic)
Build note	Fresh npm install (no lockfile) — workaround TD-1 MC #10239

Smoke Test Commands

```
# API health (expected: {"status":"ok","service":"bilko-api","version":"1.0.0"})
curl -s https://bilko-api-stage-dh4m46blja-lz.a.run.app/api/v1/health

# Web root (expected: HTTP 200)
curl -s -o /dev/null -w "HTTP %{http_code}" https://bilko-web-stage-dh4m46blja-lz.a.run.app
```

Stage Rollback

```
# List revisions
gcloud run revisions list --service bilko-api-stage --project=tribal-sign-487920-k0 --
```

```
region=europe-north1
```

```
# Route to prior revision
```

```
gcloud run services update-traffic bilko-api-stage --project=tribal-sign-487920-k0 --  
region=europe-north1 --to-revisions=REVISION_NAME=100
```

Stage Redeploy (image update only)

```
gcloud run services update bilko-api-stage --project=tribal-sign-487920-k0 --region=europe-  
north1 --image=europe-north1-docker.pkg.dev/tribal-sign-487920-k0/bilko/api:NEW_TAG  
gcloud run services update bilko-web-stage --project=tribal-sign-487920-k0 --region=europe-  
north1 --image=europe-north1-docker.pkg.dev/tribal-sign-487920-k0/bilko/web:NEW_TAG
```

Phase 2 Tech Debt Tracker

ID	MC	Description	Severity	Blocks
TD-1	#10239	package-lock.json macOS arm64 missing linux-x64 native bins — fresh npm install workaround	Medium	Clean stage re- deploys
TD-2	#10240	postgres-socket- factory not in build.gradle.kts — Kotlin API uses direct TCP public IP	Medium	Secure DB connectivity
TD-3	#10241	bilko-staging-db: 0.0.0.0/0 + requireSsl=false — STAGE ONLY, NEVER replicate to prod	BLOCKER	PROD CUTOVER Phase 5

Key Learnings

1. Lockfile drift macOS/linux: fresh npm install required per build until TD-1 fixed
2. Kotlin Cloud SQL TCP via public IP works for stage, NOT prod (TD-2 + TD-3)
3. --no-traffic flag invalid on new service creation — route 100% on first deploy

4. Field encryption/HMAC keys are random per env (stage isolated from prod — ADR-014)
5. HikariCP socketPath URL param silently ignored — always use explicit host:port for direct TCP

References

- Phase 1 Cloud SQL: Bilko Stage Environment — Cloud SQL & IAM (Phase 1)
- MC #10177 (parent), #10239 / #10240 / #10241 (TD items)
- ADR-014 (field encryption), ADR-021 (blueprint Section 15)
- DEPLOY-MAP.md section: Cloud Run Stage Services
- RUNBOOK.md section: 7a Stage Cloud Run Services Access

Revision #2

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