

Bilko Backoffice — Ops Infra (Logging Views + support@ Forwarding + Preflight)

Bilko Backoffice — Ops Infra (MC #103325)

Branch: feat/103325-backoffice-infra | **PR:** #317 | **Proveo verdict:** PASS (2026-06-10) | **Sibling:** [Backoffice Backend MVP \(page 3100\)](#)

1. Cloud Logging Saved Views

GCP project: tribal-sign-487920-k0

Bucket: _Default (global)

Verified via: `gcloud logging views list --bucket=_Default --location=global --project=tribal-sign-487920-k0`

View ID	Scope filter	Intended use / Log Explorer query to add
bilko-error-by-org	<code>resource.type="cloud_run_revision"</code> AND <code>resource.labels.service_name=~"bilko-api-(demo stage)"</code>	Add query <code>severity>=ERROR</code> . Group results by <code>orgId</code> (parse via <code>JSON_EXTRACT(textPayload, "\$.orgId")</code> — <code>orgId</code> lives in textPayload JSON, not jsonPayload).
bilko-request-trace	<code>resource.type="cloud_run_revision"</code> AND <code>resource.labels.service_name=~"bilko-(api web)-(demo stage)"</code>	Add query <code>logName=~"stdout" OR logName=~"requests"</code> . Correlate requests end-to-end by <code>requestId</code> field in textPayload.
bilko-5xx-demo	<code>resource.type="cloud_run_revision"</code> AND <code>resource.labels.service_name=~"bilko-(api web)-demo"</code>	Add query <code>httpRequest.status>=500</code> . Scoped to demo environment only.

GCP constraint — view filter expressiveness

GCP `gcloud logging views create --log-filter` only accepts log source, resource type, appHub fields, user labels, and log ID conditions. Severity comparisons (`severity>=ERROR`) and field comparisons (`httpRequest.status>=500`) are **not valid in view filters** — they must be added as Log Explorer query refinements on top of the saved view scope. This is a documented GCP platform limitation. Each view description in GCP documents this explicitly.

Log schema note: Bilko API logs structured data as JSON inside `textPayload` (not `jsonPayload`).

The `textPayload` schema is:

```
{"requestId":"...","method":"...","path":"...","status":N,"durationMs":N,"userId":"...","orgId":"...","ip":"..."}
```

ERROR logs are stack traces in `textPayload`; `orgId` is present on request-completion log lines, not on exception lines.

2. support@bilko.cloud Email Forwarding

MX provider — IMPORTANT

bilko.cloud MX = Migadu (`aspmx1.migadu.com` + `aspmx2.migadu.com`, confirmed via `dig MX bilko.cloud`). The **CF Email Routing section in DEPLOY-MAP.md is STALE** and must be corrected — Cloudflare does not handle bilko.cloud email.

Implemented forwarding

Mail flow: `support@bilko.cloud` (Migadu mailbox, `may_receive=true`, `may_send=false`) → Migadu forwarding → `alem@alai.no`

Key Migadu design constraint: Alias `destinations` only accept same-domain addresses — external addresses are silently rewritten to `<localpart>@<same-domain>`. The correct mechanism for external cross-domain delivery is a **forwarding on a mailbox object** (not an alias).

Implementation steps taken:

1. Confirmed `GET /v1/domains/bilko.cloud/mailboxes/support/forwardings` — `support@` was alias-only (no mailbox).
2. Created `support@bilko.cloud` mailbox: `may_receive=true`, `may_send=false`, IMAP/POP3 disabled (receive-only).
3. Added forwarding via `POST /v1/domains/bilko.cloud/mailboxes/support/forwardings` `{"address":"alem@alai.no"}` — response: `is_active: true`, `confirmed_at: 2026-06-`

10T08:17:01Z, no confirmation email required.

4. Deleted the old support@ alias (superseded by mailbox).
5. Removed investigation-only forwarding from sales@bilko.cloud — **sales@ is left untouched** (forwardings: []).

Verified state (Proveo independent GET):

```
GET /v1/domains/bilko.cloud/mailboxes/support/forwardings
{"forwardings":[{"address":"alem@alai.no","confirmed_at":"2026-06-10T08:17:01Z","blocked_at":null,"is_active":true}]}

GET /v1/domains/bilko.cloud/mailboxes/sales/forwardings
{"forwardings":[]}
```

Migadu admin path (for future changes)

To modify forwarding: admin.migadu.com → bilko.cloud → Mailboxes → support → Forwardings. Do **not** use the Aliases section for external cross-domain targets.

3. Preflight Rollback Script

File: scripts/ops/bilko-support-fix-preflight.sh (committed at 67ed0ce5, PR #317, mode 100755)

What it does

1. **STEP 1 — Cloud SQL backup** (write, skipped in dry-run): Takes an on-demand Cloud SQL backup of the Bilko DB before any deploy action. Provides a restore point.
2. **STEP 2 — Capture current Cloud Run revision** (read-only always): Records the live revision name and image SHA for both bilko-api-demo and bilko-web-demo.
3. **STEP 3 — Print rollback commands** (print only, never executes): Outputs the exact gcloud run services update-traffic commands needed to roll back to the captured revisions. These are echo-wrapped — they are never executed by the script.

How to run

```
# Dry-run (safe, no writes – use to confirm rollback targets before deploy)
bash scripts/ops/bilko-support-fix-preflight.sh --dry-run
```

```
# Live run (takes SQL backup, captures revisions, prints rollback cmds)
bash scripts/ops/bilko-support-fix-preflight.sh
```

Deploy-fragility rule enforced

All example re-deploy commands in the printed output use `--update-secrets`. The script documents and enforces: **NEVER use `--set-env-vars` for Bilko Cloud Run deploys** — it overwrites the Secret Manager binding and exposes secrets as plaintext environment variables.

4. Known Follow-up

Item	Status	Owner
DEPLOY-MAP.md CF Email Routing section for bilko.cloud is stale (lists Cloudflare; MX is Migadu)	Open	John / next infra PR
PR #317 bundles MC #103323 application code (Sentry, SupportTickets, DB migrations V71+V72) — confirm separate QA validation for that scope	Open (Proveo advisory)	John
Merge PR #318 (smoke-test fix) before PR #317, or close #318 as superseded if #317 merges first	Open	John

Created by Skillforge for MC #103325. Evidence: /tmp/evidence-103325/verification.md + /tmp/alai/p2p-pairing-evidence/proveo-multi-317-318-verdict.md. All facts machine-verified.

Revision #1

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