

# **Finanzas SD Infra Audit (us-east-2)**

Finanzas SD – Architecture, Flows & SOPs

Arquitectura, Flujos y Procedimientos

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[ARCHIVED] Superseded by docs/finanzas/overview.md on 2025-12-05 # Finanzas SD Infra Audit (us-east-2)

## 0.1 Summary

- Verified that Finanzas SD AWS resources exist in account 703671891952 (dev stage) and align with the SAM template defaults for Cognito, DynamoDB tables, and CloudFront origin domain.
- Confirmed the expected Lambda fleet for the HTTP API is deployed in us-east-2 with dev-staged function names that match the SAM template naming pattern.
- DynamoDB tables for the Finanzas domain exist with the expected pk/sk composite keys and on-demand billing.
- CloudFront distribution EPQU7PVDLQXUA routes /finanzas/\* to the ukusi-ui-finanzas-prod S3 origin. A manifest mismatch between deployed and local Finanzas builds (JS hash drift) was identified; the deploy workflow now performs a post-upload manifest diff and will fail fast if drift remains.
- API Gateway HTTP API finanzas-sd-api-dev exposes the full route set with JWT authorizer pointing to Cognito pool us-east-2\_FyHLt0hiY and client dshos5iou44tuach7ta3ici5m.

## 0.2 AWS Inventory

- **Template defaults:** Cognito pool/client IDs, CloudFront domain, and table prefixes declared in services/finanzas-api/template.yaml guide expected resource names and origins. `F:services/finanzas-api/template.yaml#L4-L120`
- **Lambda functions discovered:** Dev-stage functions exist for allocations, alerts, line items, providers, close-month, forecast, adjustments, rubros, invoices, recon, allocations, health, catalog, prefacturas, baseline, billing, handoff, plan, alerts PEP3, upload, payroll, and projects. `#668cf0#L1-L22`
- **DynamoDB tables present:** finz\_projects, finz\_rubros, finz\_allocations, finz\_payroll\_actuals, finz\_adjustments, finz\_alerts, finz\_providers, finz\_audit\_log (plus docs/prefacturas) exist in us-east-2. `#564a6a#L1-L17`
- **CloudFront:** Distribution d7t9x3j66yd8k.cloudfront.net with origin ukusi-ui-finanzas-prod and path behaviors for /finanzas\*. `#f05cd1#L1-L17` `#f56339#L1-L31`
- **API Gateway:** HTTP API finanzas-sd-api-dev (ID pyorjw6lbe) with dev stage auto-deploying and Cognito JWT authorizer (pool us-east-2\_FyHLt0hiY, client dshos5iou44tuach7ta3ici5m). `#c195ba#L1-L12` `#c4f2b9#L1-L17`

## 0.3 Lambda Audit

- All expected Finanzas SD Lambda functions are deployed under the dev stage naming convention (e.g., finanzas-sd-api-dev-ProjectsFn-...). `#668cf0#L1-`

L22

- API routes are fully mapped to Lambda integrations via AWS\_PROXY integrations; each route key resolves to a Finanzas Lambda function ARN, confirming connectivity between API Gateway and Lambda backends. 0b9af3†L1-L77 bf0315†L1-L77
- No log or health anomalies were observed in this pass (log sampling not requested); recommend periodic `aws logs tail` checks per runbook.

## 0.4 DynamoDB Audit

- Required domain tables exist with pk/sk composite keys and PAY\_PER\_REQUEST billing, matching the SAM definitions for projects, rubros, allocations, payroll\_actuals, adjustments, alerts, providers, and audit\_log. 4f8aa9†L1-L21 49e190†L1-L21 13596a†L1-L21 cffaba†L1-L11
- Table naming aligns with the `finz_` prefix from the SAM template parameters, ensuring Lambdas referencing `TABLE_*` env vars resolve to existing tables. F:services/finanzas-api/template.yaml†L46-L78

## 0.5 S3 + CloudFront Audit

- CloudFront distribution d7t9x3j66yd8k.cloudfront.net routes `/finanzas/`, `/finanzas/`, and `/finanzas/*` to the `ukusi-ui-finanzas-prod` S3 origin with HTTPS redirects, confirming the correct SPA behavior is configured at the edge. f05cd1†L1-L17 f56339†L1-L18
- Current bucket manifest (key prefix `finanzas/`) shows SPA endpoints (`finanzas/index.html`, `finanzas/auth/callback.html`) plus assets and docs, with JS bundle `finanzas/assets/index` L38
- Local `npm run build:finanzas` (with `VITE_API_BASE_URL` set) produces bundle `dist-finanzas/assets/index-ppTbD_1B.js` alongside matching HTML and assets. d46f88†L2-L23 The JS hash mismatch indicates deployed UI drift from the latest build; CloudFront currently serves the older bundle despite matching HTML filenames. 225404†L33-L38
- Sample `curl -I` against `/finanzas/` returns HTTP 200 from CloudFront, confirming edge availability but not bundle freshness. deb1e8†L1-L16
- S3 object metadata for `finanzas/index.html` correctly reports `text/html` Content-Type and SSE enabled. 9ddfa6†L1-L10

## 0.6 API + Auth Audit

- API Gateway HTTP API exposes expected Finanzas routes (projects, rubros, providers, allocations, payroll, adjustments, prefacturas, handoff, close-month, baseline,

plan, forecast, recon, health).[0b9af3†L1-L77](#)

- Each route integrates to the corresponding Lambda via AWS\_PROXY with no missing integrations observed.[bf0315†L1-L77](#)
- JWT authorizer uses Cognito pool us-east-2\_FyHLt0hiY and client dshos5iou44tuach7ta3ici matching the SAM defaults referenced by the UI and API.[c4f2b9†L1-L17](#) [F:services/finanzas-api/template.yaml†L5-L35](#)

## 0.7 Gaps & Recommended Fixes

- **S3/UI drift (Critical → Mitigated by CI guard):** Deployed JS bundle finanzas/assets/index does not match the latest local build (index-ppTbD\_1B.js). The UI deploy workflow now runs a post-upload manifest comparison (local build vs. finanzas/ prefix) and fails on mismatch so drift cannot persist; rerun Deploy Finanzas UI to sync the current bundle and invalidate CloudFront.[d46f88†L9-L23](#) [225404†L33-L38](#)
- **Build-time env guardrail (Implemented):** CI now computes and exports VITE\_API\_BASE\_URL before build and verifies the value is embedded in the bundle, preventing silent misconfiguration. Keep repo variables (FINZ\_API\_ID, FINZ\_API\_STAGE\_\*, DEV\_API\_URL) aligned with the intended stage before triggering deployments. [F:.github/workflows/deploy-ui.yml†L70-L193](#)
- **Ongoing health checks:** Keep periodic log/metrics validation for each Lambda (CloudWatch logs + `lambda get-function-configuration`) and S3 object content-type sampling in CI, following the runbook to catch drift before deployment.