

CVDex

README

Finanzas SD – Architecture, Flows & SOPs

Arquitectura, Flujos y Procedimientos

November 10, 2025

1 Operational Runbooks

This directory contains operational runbooks for the Financial Planning U platform, with a focus on the Finanzas SD module.

1.1 Available Runbooks

1.1.1 Unified CloudFront & AVP Deployment

Purpose: Complete step-by-step guide for deploying the CloudFront distribution update and AVP policy store integration.

Quick Reference: Deployment Checklist

When to use:

- Initial setup of CloudFront proxy for Finanzas API
- Deploying AVP policy store for fine-grained authorization
- Integrating Cognito with AVP for token-based authorization
- Full production deployment of Finanzas SD infrastructure

Phases covered:

1. CloudFront Distribution Update (API proxy configuration)
2. AVP Policy Store Deployment (Cedar policies)
3. Cognito Identity Source Binding (manual step)
4. API Redeployment with AVP Integration

Estimated time: 45-60 minutes

1.1.2 CloudFront CDN Proxy

Purpose: Detailed documentation of the CloudFront distribution configuration that proxies the Finanzas API.

When to use:

- Understanding the CloudFront routing architecture
- Troubleshooting CDN-related issues
- Updating CORS configuration
- Rollback procedures for CloudFront changes

Key topics:

- Routing configuration (UI vs API traffic)

- Path rewrite function logic
 - CORS configuration and security
 - Authorization header forwarding
 - Verification and smoke tests
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1.1.3 Finanzas Access Diagnostics

Purpose: Diagnostic procedures for troubleshooting access and authentication issues in the Finanzas module.

When to use:

- Users reporting 403 Forbidden errors
 - Authentication flow failures
 - Authorization policy debugging
 - Cognito integration issues
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1.2 Quick Reference

1.2.1 Common Operations

Operation	Runbook	Section
Deploy new environment	Unified Deployment	Complete guide
Update CloudFront only	Unified Deployment	Phase 1
Deploy AVP policies	Unified Deployment	Phase 2
Bind Cognito to AVP	Unified Deployment	Phase 3
Rollback CloudFront	CDN Proxy	Rollback Procedures
Debug 403 errors	Access Diagnostics	-
Update CORS	CDN Proxy	Updating CORS

1.2.2 Key Workflows

Workflow	File	Documentation
Update CloudFront	.github/workflows/update-cloudfront.yml	Unified Deployment
Deploy AVP	.github/workflows/deploy-avp.yml	Unified Deployment
Deploy API	.github/workflows/deploy-api.yml	Unified Deployment

1.2.3 Key Resources

Resource	Value	Environment
CloudFront Distribution ID	EPQU7PVDLQXUA	All
CloudFront Domain	d7t9x3j66yd8k.cloudfront.net	All
API Gateway ID	m3g6am67aj	dev
API Stage	dev	dev
Region	us-east-2	All
API Stack Name	finanzas-sd-api-dev	dev
AVP Stack Name	finanzas-avp-dev	dev

1.3 Contributing

When adding new runbooks:

1. Use clear, descriptive titles
2. Include a "Purpose" and "When to use" section
3. Provide step-by-step instructions with expected outputs
4. Include verification procedures
5. Add troubleshooting guidance
6. Reference related documentation
7. Update this README with a link to your runbook

1.4 Related Documentation

- Deployment Guide - General deployment instructions
- API Contracts - API specifications
- Authentication Flow - Auth architecture
- Environment Config - Environment variables
- AVP Deployment Guide - AVP-specific details