

**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

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#### 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	<code>.github/workflows/update-cloudfront.yml</code>	Unified Deployment
Deploy AVP	<code>.github/workflows/deploy-avp.yml</code>	Unified Deployment
Deploy API	<code>.github/workflows/deploy-api.yml</code>	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